Hawaiian Gardens Area

NOTES RED _____ JOB NO. 0301.02 SURVEY OF Belshire Ave - S.D. Proj # 691 F. B. 2582 Pg. 5

DATE _____ SURVEY BY D. Sappell

NOTES CUNNINGHAM NOTES BY D.S. DATE 8-23-63

DATE _____ INDEXED J. GALLI DATE OCT 3 '63

J.N. 0301.02

BELSHIRE AVE.

(HAWAIIAN GARDENS AREA)

STORM DRAIN

PROJ Nº 691

BENCH LEVELS

CIRCUIT 1.5 MILES

NOTE: BM NZ 2 F.B. 1931-7 GONE.
BM NZ 25 " 1931-13 "

Sappell
Dupuis
Lieber
Yamamoto

Indexed Feb. 86

JOB NO. 0201.02 SURVEY OF Bellflower Ave. and Hawaiian Gardens Dr. NOTES RED. DATE
SURVEY BY J. Sapelli DATE 8-23-63 NOTES CHKD. DATE
NOTES BY C.C. DATE
INDEXED C. CALLI DATE

F.B. 2582 Pg. 6

RETURN TO: Los Angeles County Engineer, 725 [illegible] Los Angeles County Engineering Bldg.

NOTE: Any [illegible] or changes on this page should be made or circled in red ink, with date and name of person making change.

Do not write notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	[illegible] ELEV.	DESCRIPTION
BM 8-21	29.171					BM 8-21, 1962 Adj El 29.171, FB 2928-16 (RM-1 Artesia D-9)(U.S 3917) Norwalk Blvd & Carson St, 46.4' W. of the ℄ of Norwalk Blvd, 46.3' N. of the ℄ of Carson St, E 3' NW & 1 Ft below the curb in a well prot. by a C.I. cover mkd "County Engineer". A L.A. Co Survey Cont Sys. Ref Mark Stamped "Artesia D-9 RM NO 1, 1943"
+	5.438		5.543			
ℼ	34.609	+0.916	+0.917			
-	4.522		4.626			
TP	30.087					TP
+	4.485		4.365			
ℼ	34.572	-1.127	-1.125			
-	5.612		5.490			
TP	28.960					TP
+	4.608		4.543	4.658		
ℼ	33.568	-0.827	-0.820	-0.821		
-	5.435		5.363	5.479		
TP	28.133					TP
+	4.877		4.962			
ℼ	33.010	-0.155	-0.155			
-	5.032		5.117			
TP	27.978					TP
+	4.405		4.472	4.528		
ℼ	32.383	+1.239	+1.244	+1.236		
-	3.166		3.228	3.292		
TP	29.217					TP
+	3.565		3.508	3.582		
ℼ	32.782	-1.866	-1.861	-1.866		
-	5.431		5.369	5.448		
TP	27.351					TP

768420 353 3-51

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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NOTES RED. JOB NO. 0701.12 SURVEY OF Hawaiian Gardens Area
DATE SURVEY BY D. Jappe II Beldine Ave. S.D. Ave 691
NOTES CHKD. W.J. NOTES BY DATE 8-27-63
DATE INDEXED B.J. CALL DATE

F.B. 2582 PG. 7

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	27.351					TP.
+	4.818		4898			
π	32.169	-0.133	-0.129			
−	4.951		5027			
TP.	27.218					TP.
+	5382		5323			
π	32.606	+0.549	+0.546			
−	4.833		4777			
(Fd) BM NZ-3 = SD 3145	27.767				27.767	BM NZ-3 = S.D. 3145, El. 28.283 F.B. 1931-7 Norwalk Blvd (W. side) at 222 nd St to East - Bt. set in N.E. cor of walk in front of market #22203
+	4.463		4562			
π	32.230	+0.048	0.049			
−	4.415		4513			
(Fd) BM NZ-4 = SD 3146	27.815				27.815	BM NZ-4 = S.D. 3146 El. 28.347 F.B. 1931-7 Norwalk Blvd & 223 Rd St., S.W. Cor. L&T in walk to Ho # 22307
+	4.621		4742			
π	32.436	-0.691	-0.688			
−	5.312		5430			
(Fd) BM B-22	27.124				27.124	BM B-22, 1962 Adj. El. 27.117 F.B. 1209-21 (U.S. 3914) (U.S.C.&G.S. D-779) At the int. of Norwalk Blvd & 224 TH ST. 34.5' E of the ℄ of Norwalk Blvd & 23.0' S of the ℄ of 224 TH ST. & 2' N.E. of an iron post at a fence cor., A std. disk, stamped "D-779 1946," and set in the top of a conc. post even with the surf.
+	4.773		4889			
π	31.897	-0.262	-0.264			
−	5.035		5153			
TP.	26.862					TP.
+	4.201		4.123			
π	31.063	1.252	-1.253			
−	5.453		5.386			
TP.	25.610					TP.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	25 610					TP
+	4 665		4812			
π	30 275	-0.438	-0.438			
-	5103		5250			
TP	25 172					TP
+	5185		5048			
π	30 357	+1.285	+1.288			
-	3900		3760			
TP	26 457					TP
+	5260		5098			
π	31 717	+0.290	+0.289			
-	4970		4810			
TP	26 747					TP
+	4497		4560			
π	31 244	-0.407	-0.405			
-	4904		4965			
(SET) BM SD 3147	26 340				26.340	BM SD 3147 El. F.B. 2582-8 E. 221 ST. ST. (N. Side) 12' W. of ℄ prod Joliet Ave to South- Bt spk in curb.
+	4774		4882			
π	31 114	+0.587	+0.585			
-	4187		4297			
(Fd) BM NZ 26 = SD 3148	26 927				26.927	BM NZ 26 = S.D. 3148 El. 27.501 F.B. 1931-13 221 ST. ST. & Horst Ave to North, N.E. cor.- Bt spk in walk to Ho. #? on Horst Ave.
+	4360		4470			
π	31 287	-0.449	-0.450			
-	4809		4920			
(SET) BM SD 3149	26 478				26.478	BM SD 3149 El. F.B. 2582-8 E. 221 ST. ST. (S. Side) 12' W. of ℄ prod of Horst Ave to North- Bt spk in curb.
+	5030		4942			
π	31 508	+0.349	+0.350			
-	4681		4592			
(SET) BM SD 3150	26 827				26.827	BM SD 3150 El. F.B. 2582-8 E 221 ST. ST. (S. Side) 42' W. of ℄ prod of Ibex Ave to North- Bt spk in curb.

JOB NO. 0301.02 SURVEY OF Belshire Ave. S.D. Proj. 691 NOTES RED. DATE
SURVEY BY D. Sappell NOTES CHKD. DATE
NOTES BY D.S. DATE 8-26-63
INDEXED J. GALLI DATE

F.B. 2582 PG. 8

76S420 353 3-51

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BMSD 3150	26.827 ✓				26.827	BMSD 3150 see pg 8
+	4898		4764			
π	31725 ✓	+1.163	+1.161			
(Fd)	3735		3603			
BM NZ 27 = S.D. 3151	27990 ✓				27.990	BM NZ 27 = S.D. 3151 El. 28.526 F.B. 1931-13
+	3833		3724			221 ST ST. & Ibex Ave to South, S.W. cor,
π	31823 ✓	-0.861	-0.860			½" Iron rod in N.E. cor of porch to
−	4694		4584			Ho # 22101 on Ibex Ave.
(SET)						
BMSD 3152	27129 ✓				27.129	BMSD 3152 El. F.B. 2582-9
+	4712		4862			E 221 ST ST, (S. side) 89'± W. of ℄ of
π	31841 ✓	+0.134	+0.131			Norwalk Blvd - Bt spk in curb.
−	4578		4731			
TP.	27.263 ✓					TP.
+	5105		5003			
π	32.368 ✓	+1.275	+1.273			
−	3830		3730			
(SET)						
BMSD 3153	28.538 ✓				28.538	BMSD 3153 El. F.B. 2582-9
+	3843 ✓		3741			E 221 ST ST, (S. side) 83'± W. of ℄
π	32.381	-0.605	-0.602			of Belshire Ave - Bt spk in curb.
−	4448 ✓		4343			
TP.	27.933					TP
+	4874 ✓		4743			
π	32.807	-0.166	-0.167			
−	5040		4910			
TP.	27767 ✓					TP
+	5268 ✓		5134			
π	33.035	+0.369	+0.368			
−	4899		4766			
(SET)						El. F.B. 2582-9
BMSD 3154	28136 ✓				28.136	BM SD 3154 Belshire Ave (PVT. ST.) E.
						side, 527'± N. of ℄ E. 221
						ST ST. Bt spk in ctr of
						conc. dr. to Ho # 2904, 1'± E of 4' ch link fn.

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF Hawaiian Gardens Area Belshire Ave. S.D. Proj 691
DATE _____ SURVEY BY D. Sappell
NOTES CHKD. WJB NOTES BY D.S. DATE 8-26-63
DATE _____ INDEXED E. J. GALLI DATE _____

F.B. 2582 PG. 9

768420 353 3-51

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JOB NO. 0301.02 SURVEY OF Beverly Hills Gardens Area
SURVEY BY D. Sappell
NOTES BY D.J. DATE 8-26-63 NOTES CHKD.
INDEXED J. GALLI DATE DATE NOTES RED. DATE

F.B. 2582 Pg. 10

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM SD 3154	28.136				28.136	BM SD 3154 PG 9
+	4970		4861			
π	33106	+0.062	+0.062			
-	4908		4799			
TP	28198					TP
+	5222		5.112			
π	33420	+0.193	+0.192			
-	5029		4920			
TP	28391					TP
+	4998		5220			
π	33.389	+0.455	+0.455			
-	4543		4765			
TP	28.846					TP
+	5072		5210			
π	33918	+1.259	+1.260			
-	3813		3950			
TP	30.105					TP
+	4567		4670			
π	34.672	+0.601	+0.602			
-	3966		4068			
(SPK)						
BM SD 3155	30.706				30.706	BM SD 3155 El. F.B. 2582-10
+	4295		4180			Carson St (S. Side) 62' W. of ℄
π	35.001	+0.699	+0.701			Belshire Ave- 8" spk in curb.
-	3596		3479			
TP	31405					TP
+	4905		4733			
π	36310	-0.260	-0.259			
-	5165		4992			
TP	31145					TP

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP.	31.145					TP.
+	3405		3524			
⊼	34550	-1.655	-1.656			
−	5060		5180			
TP	29490					TP
+	4741		4858			
⊼	34.231	+0.251	+0.250			
−	4490		4608			
TP	29.741					TP
+	5300		5380			
⊼	35.041	+0.840	+0.840			
−	4460		4540			
TP	30.581					TP
+	5626		5760			
⊼	36.207	+1.706	+1.710			
−	3920		4050			
TP	32.287					TP.
+	5321		5427			
⊼	37.608	+2.911	+2.907			
−	2410		2520			
TP	35.198					TP.
+	5898		5581			
⊼	41096	+3.897	+3.898			
−	2.001		1683			
TP	39.095					TP.
+	5300		5123			
⊼	44.395	+3.367	+3.368			
−	1933		1755			
(Fd) BM 8-19A	42.462				42.457	BM 8-19A

19CL Adj El 42.457 FB. 2828-11 Carson St & Bloomfield Ave, about 149' E of the ℄ of Bloomfield Ave. In the top of the wing wall at the S.W. cor of Bridge No. 55-147 R&L over Coyote Creek. A U.S. Army Corps of Engineers Brass Disk stamped "C.C. 12 1957"

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF Hawaiian Gardens Area Belshire Ave. S.D. Proj 69
DATE _____ SURVEY BY D. Sappell
NOTES CHKD. W J B NOTES BY D.S. DATE 8-26-63
DATE _____ INDEXED E. J. GALLI DATE _____

F.B. 2582 PG. 11

F. B. 2582 PG. 12

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED C. J. CALLI DATE _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

Do not extend notes this side of this line

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STORM DRAIN PROJ. #691

Notes Ck'd by	Survey of Belshire Ave
Map No.	JN 6269.10 Tape 020.2 Std 68 °F
Office Work	Surveyed by D Sappell
Checked	Notes VS Date 62
Date	Indexed E. J. GALLI OCT 3

F. B. 2582 PG. 13

J.N. 6269.10

BELSHIRE AVE

STORM DRAIN PROJ. Nº 691

HAWAIIAN GARDENS AREA

CENTER LINE SURVEY

see index PG 14

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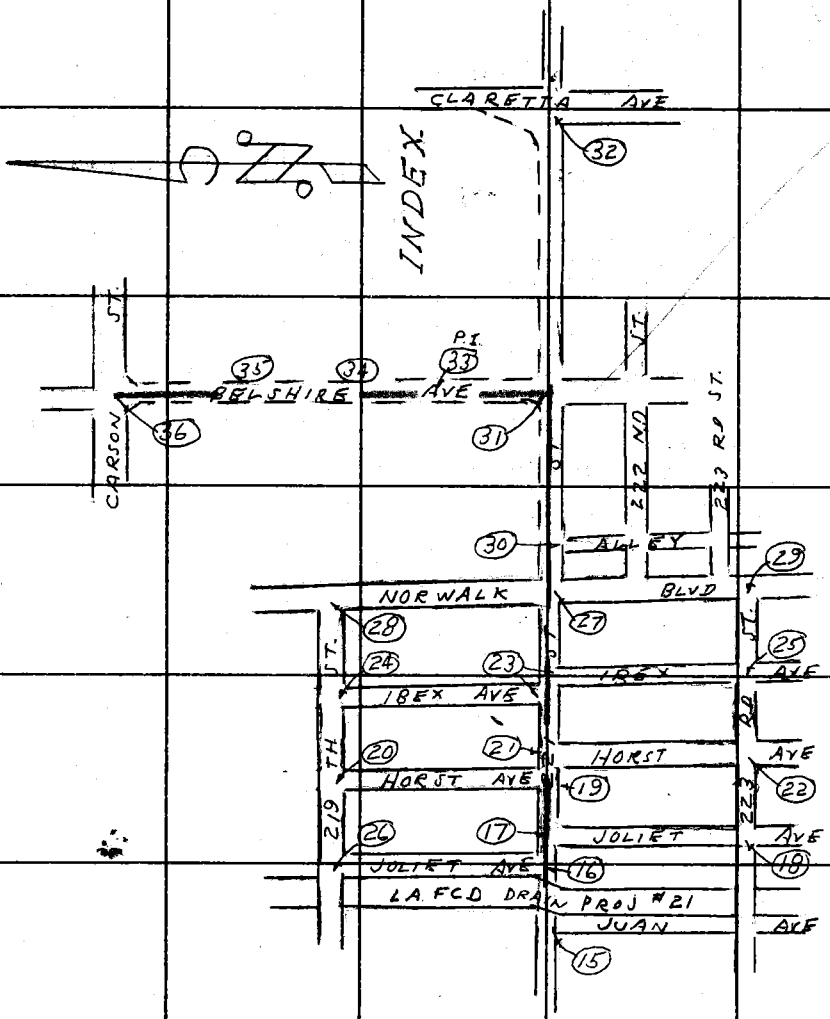
Fowler
Lieber
Dupuis
Yamamoto

76F3098 CE # 310 1-61

F. B. 2582 PG 14



J.N. 6269.10
BELSHIRE AVE
STORM DRAIN PROJ #691
HAWAIIAN GARDENS AREA

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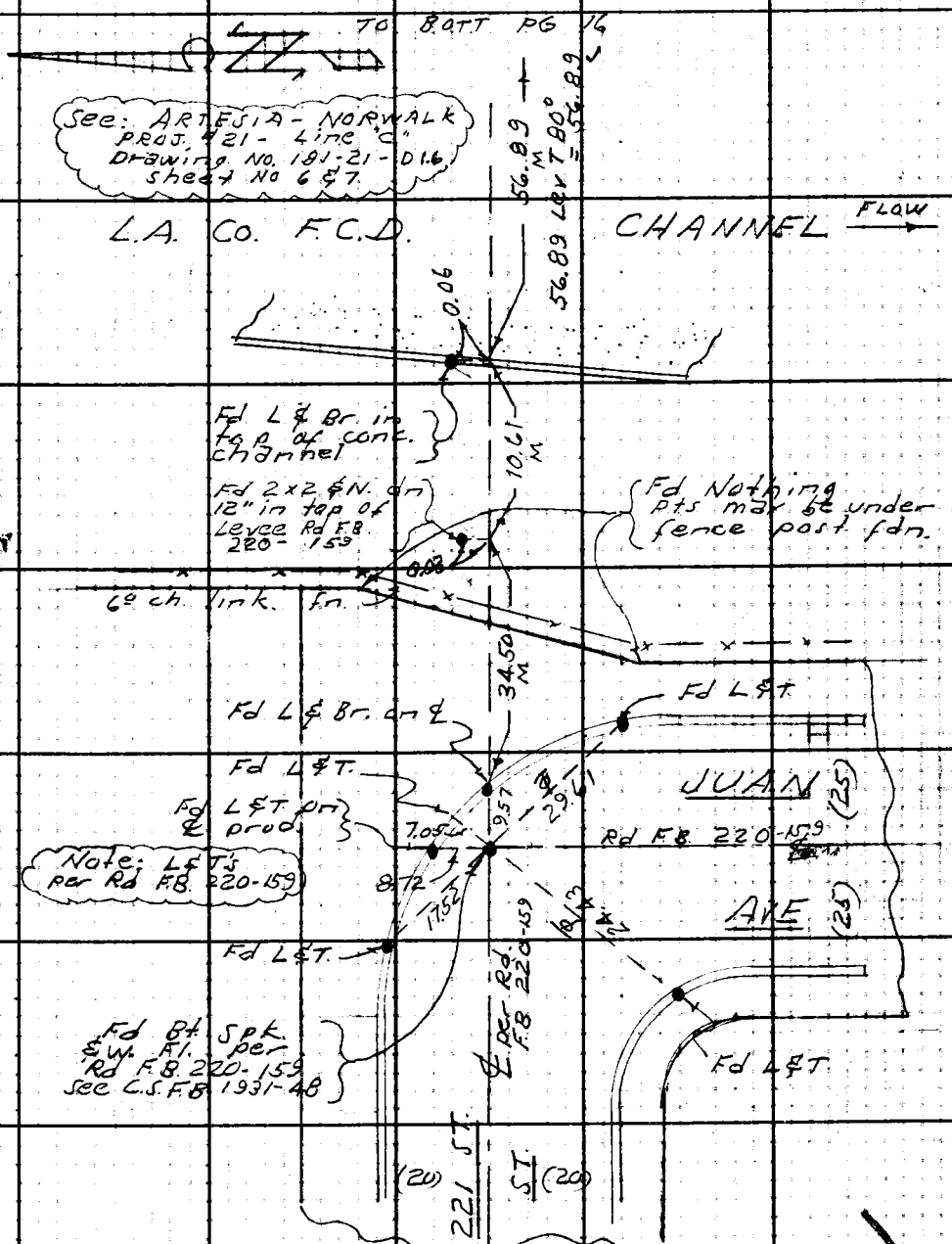
STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave
Map No.	JN 6269.10 Tape Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 8-29-63
Date	Indexed E. J. GALLI OCT 3 '63

F. B. 2582 PG. 15

W.S. 31, D2



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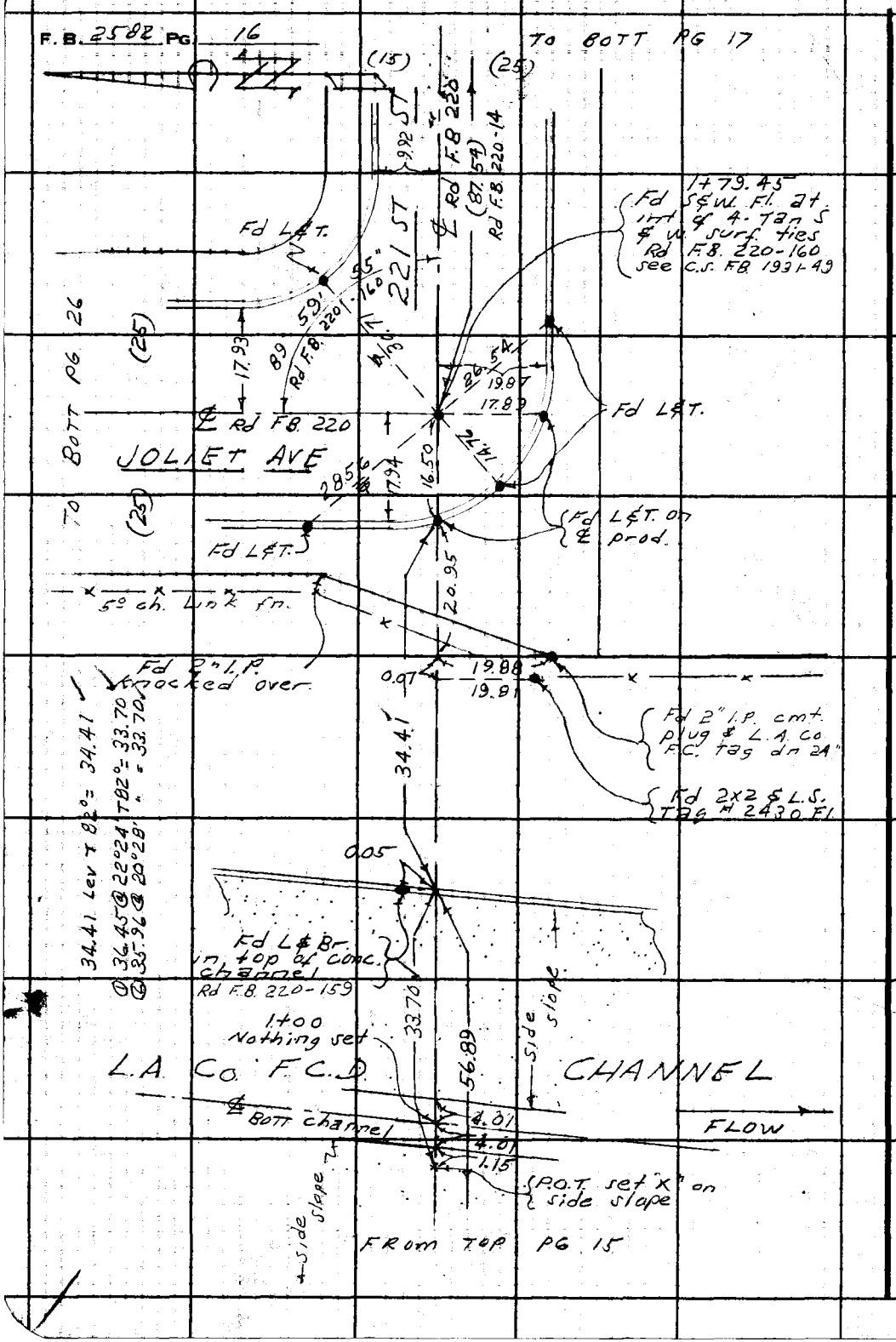
76F309S C.E. #3 0 6-62



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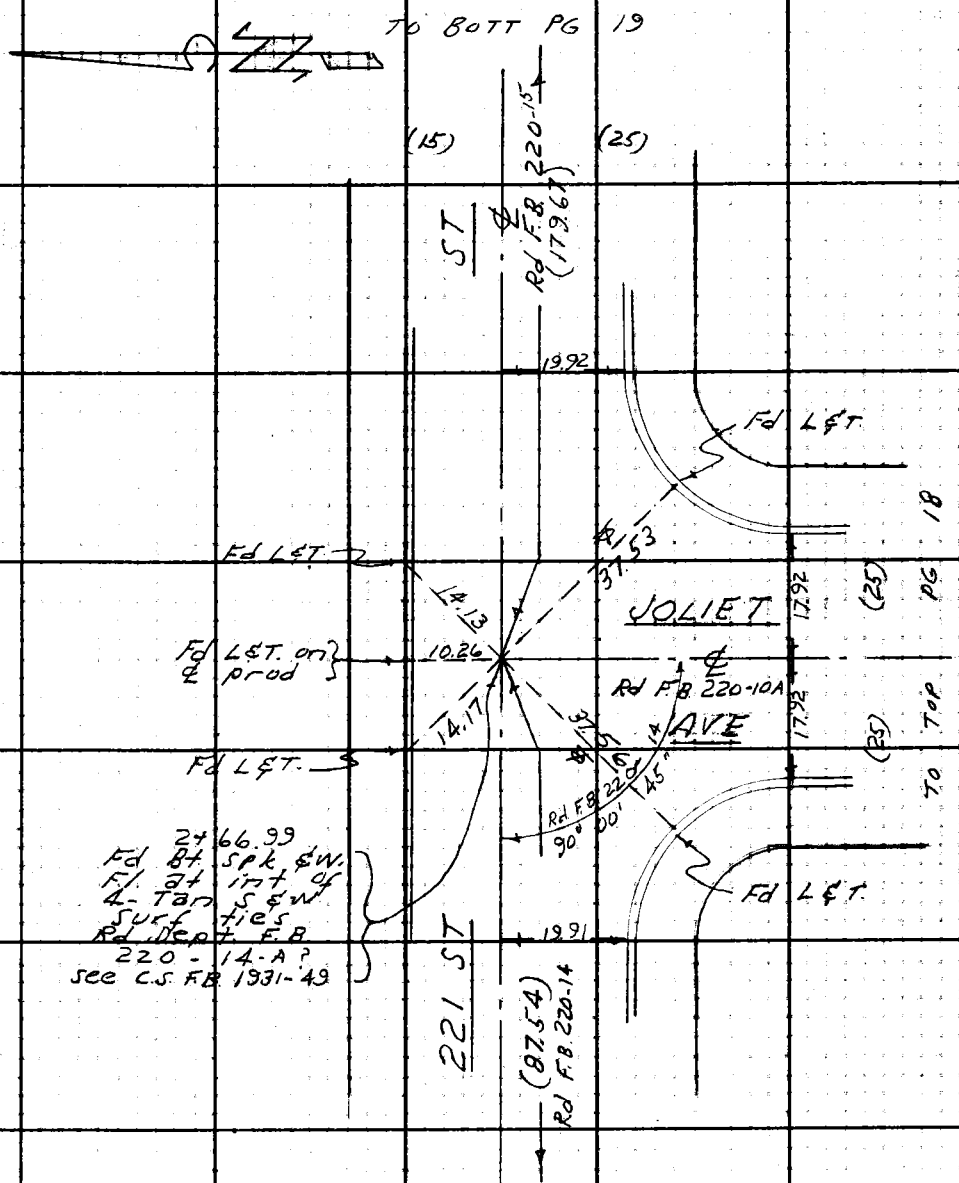
STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 Pg. 17
Map No.	JN 626910 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 8-29-63	
Date	Indexed C. J. GALLI	

W.S. 54 D-2



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HWS 31, D-2

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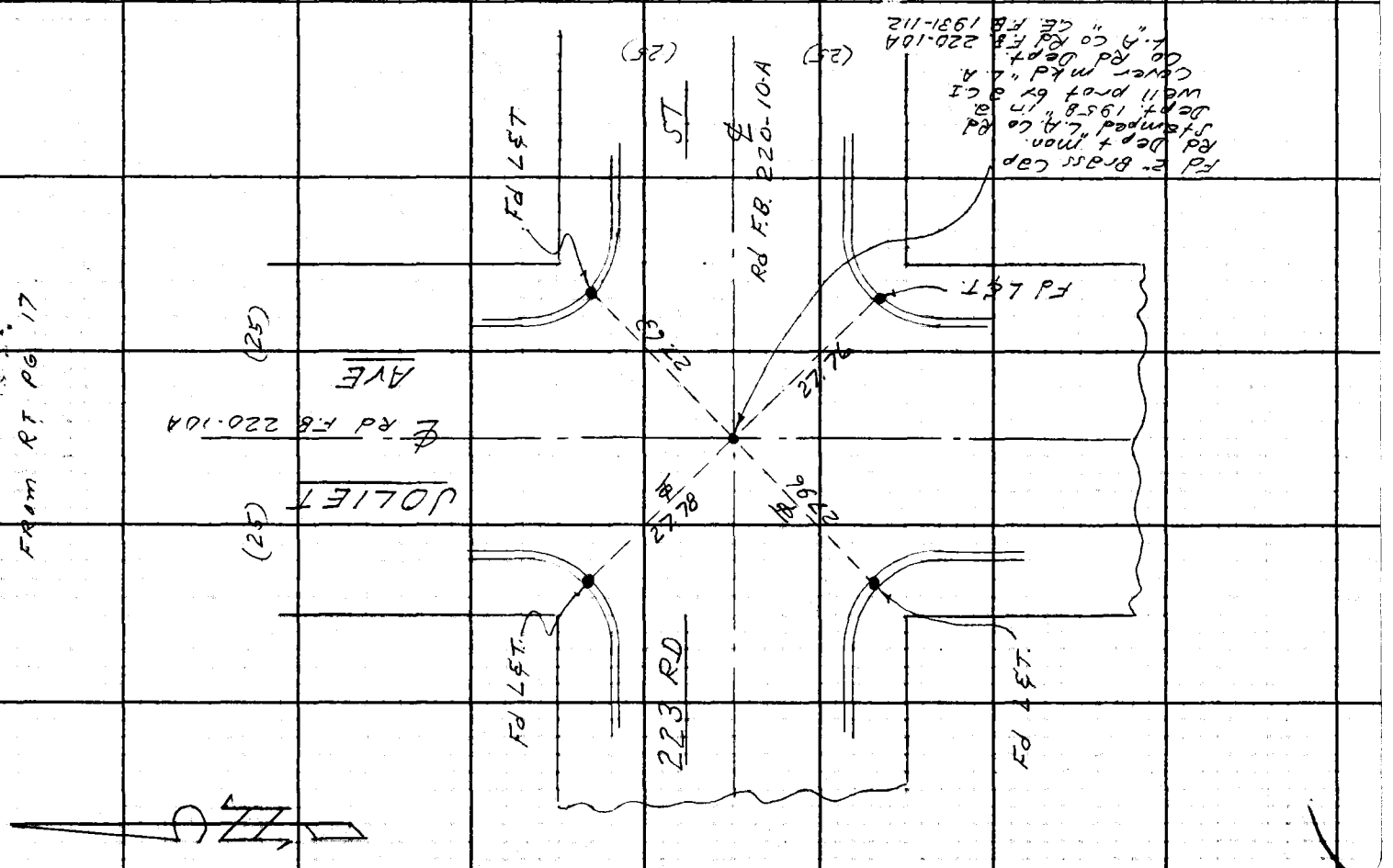
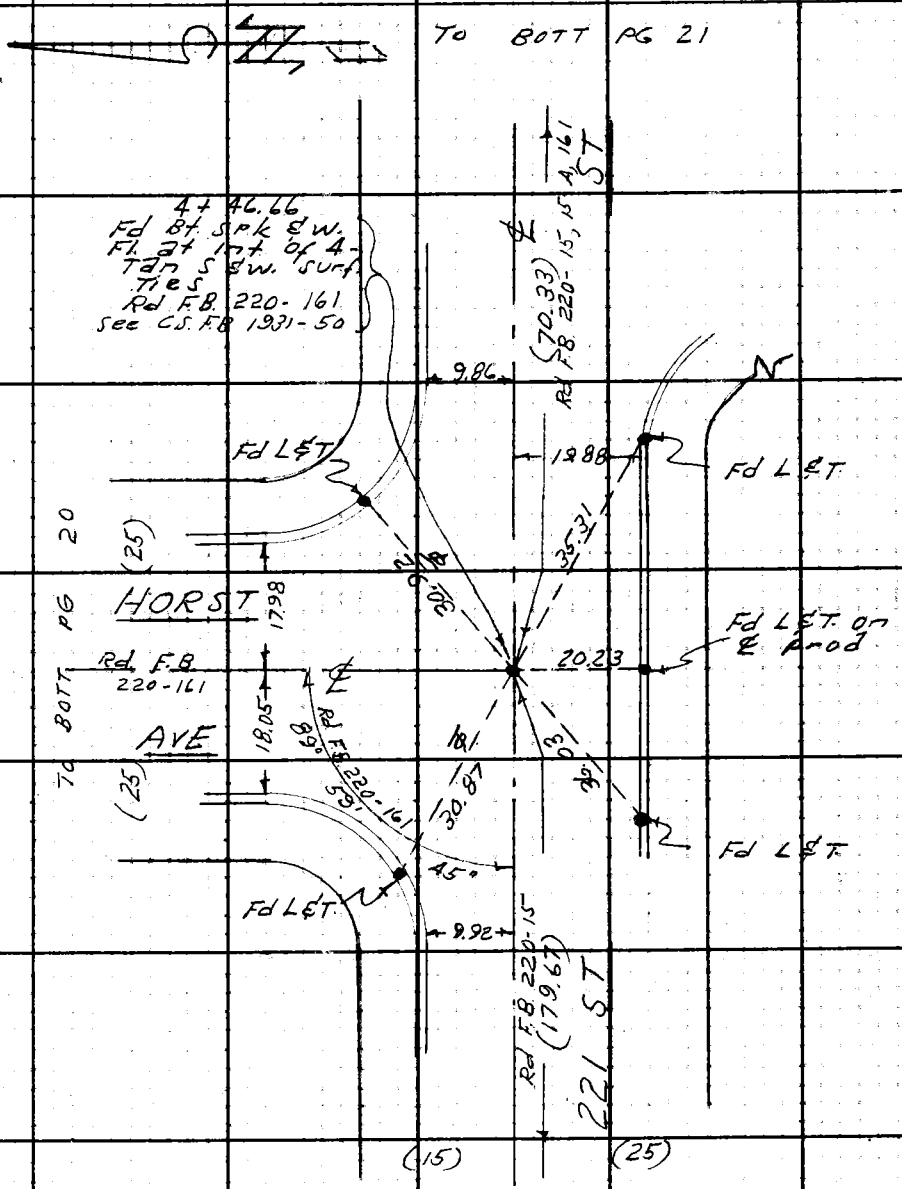


F.B. 2502 PG 18

STORM DRAIN PROJ # 691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 Pg. 19
Map No.	JN 626990 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 8-30-63	
Date	Indexed C. J. GAUB	

W.S. 31, D-2



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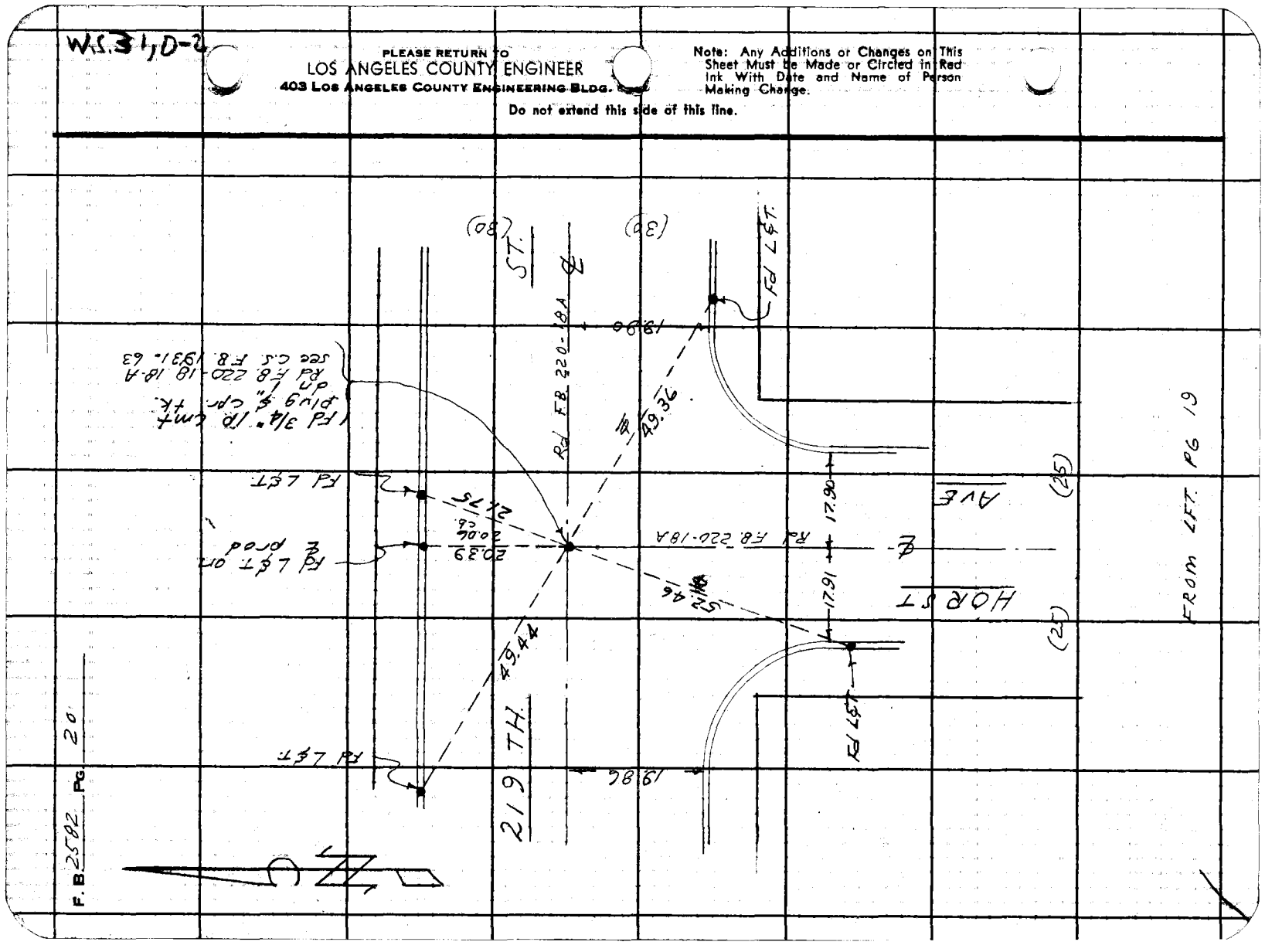
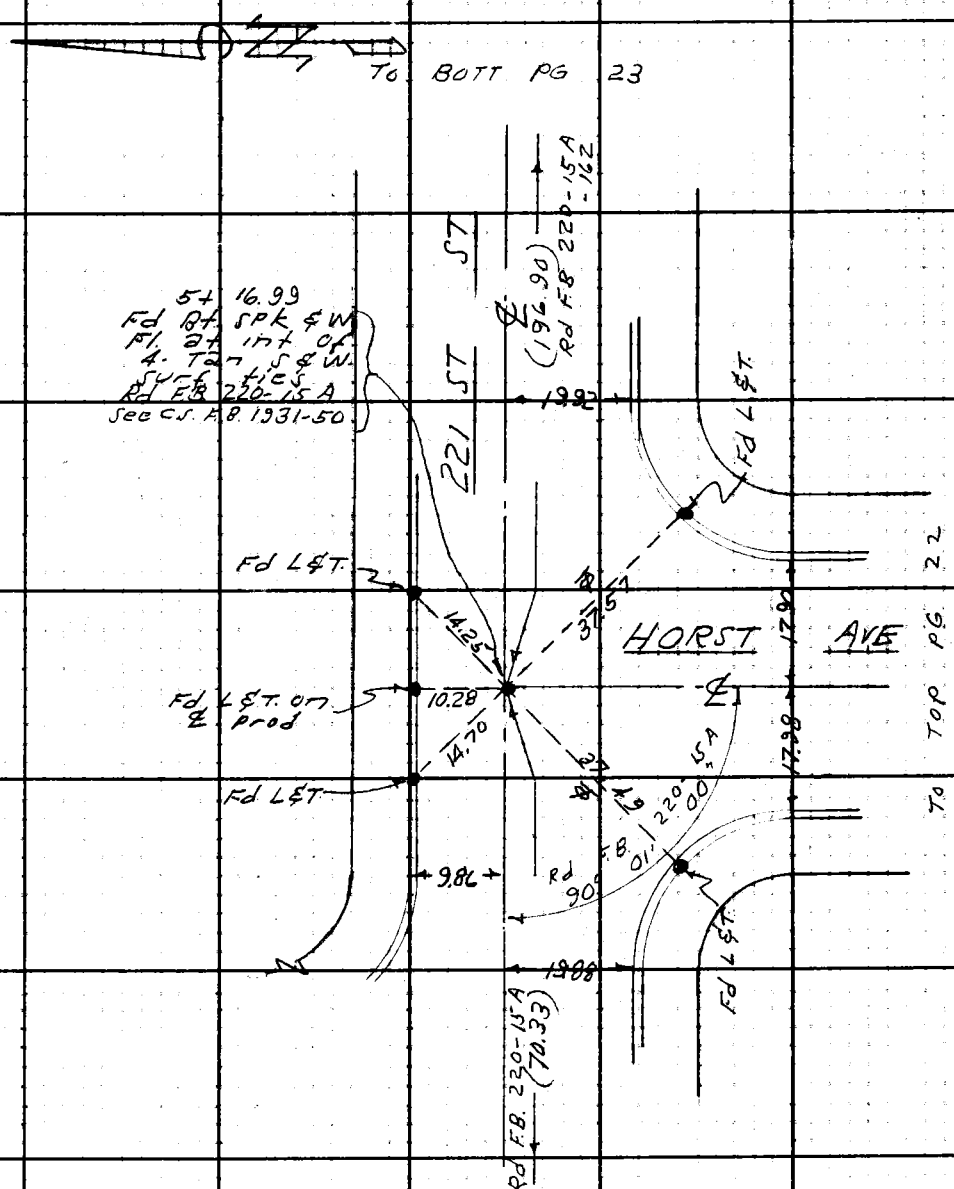


STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 Pg. 21
Map No.	JN 6269.10 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 8-30-63	
Date	Indexed E. J. GALLI	

WS 31, D-2



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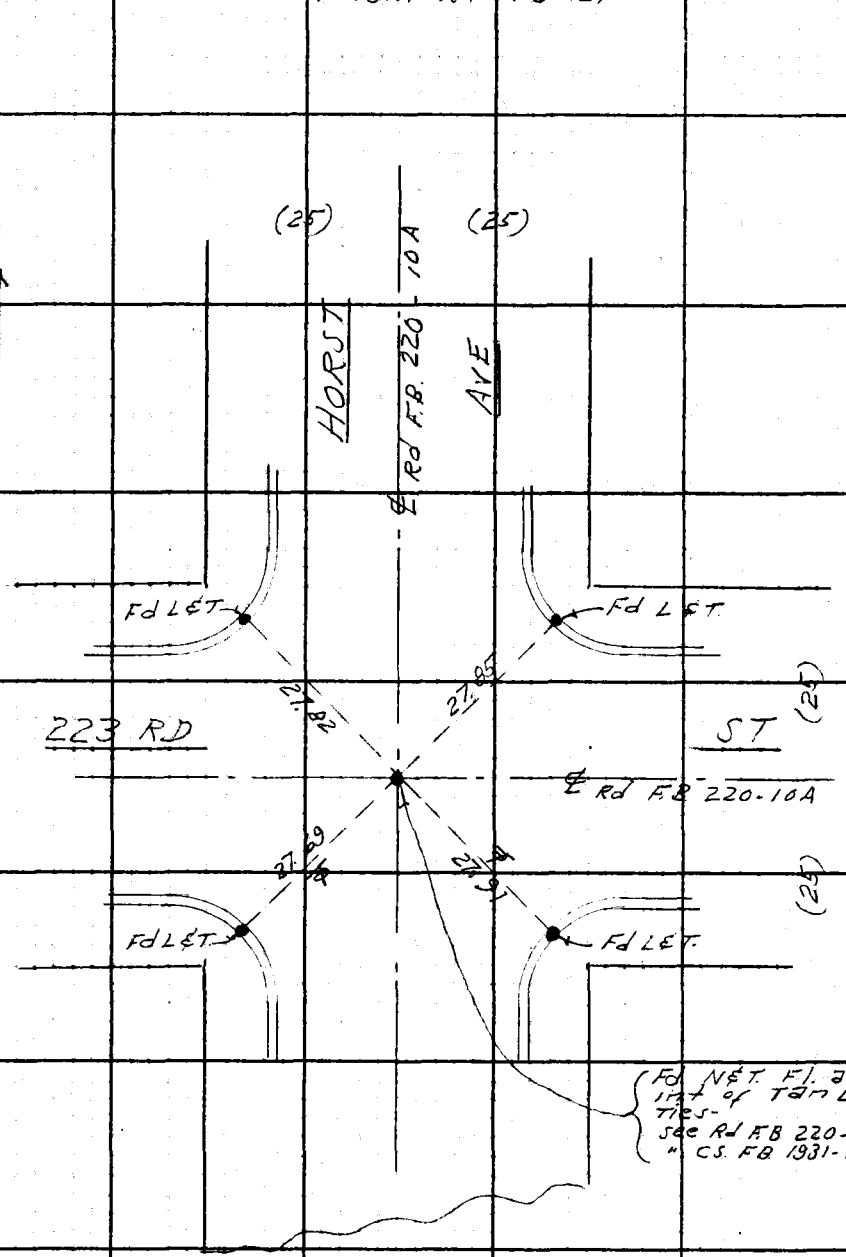
76F3095 CE #310 6-62

F. B. 2582 PG 22

FROM RT PG 21



W.S. 31, D-2

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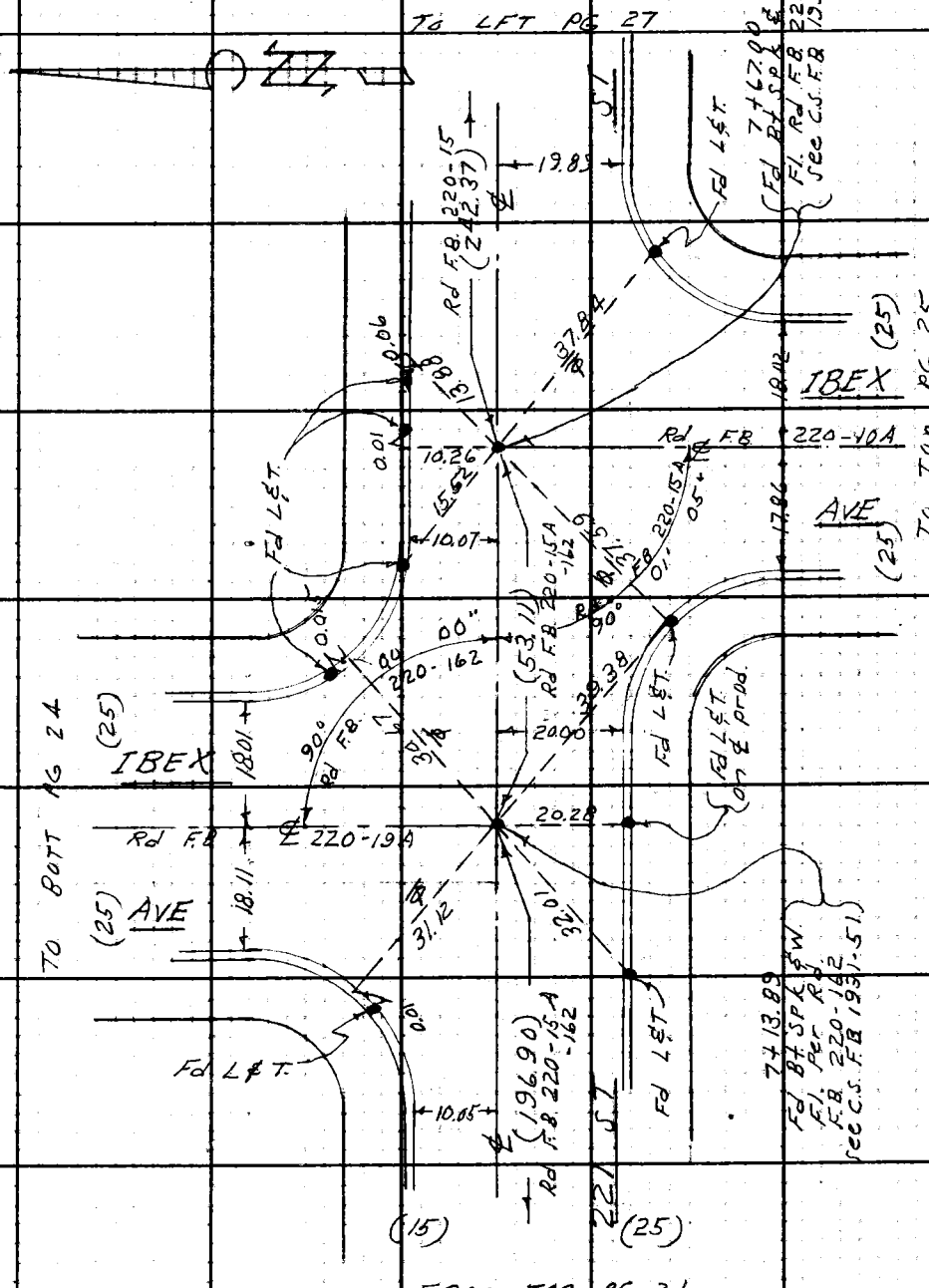
STORM DRAIN PROJ. #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 Pg. 23
Map No.	JN 6269.10 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 9-3-63	
Date	Indexed C. J. GALLI	

W.S. 31, D-2



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76F309S C.E. #3 0 6-62

F. B. 2582 PG. 24

WS 31,02

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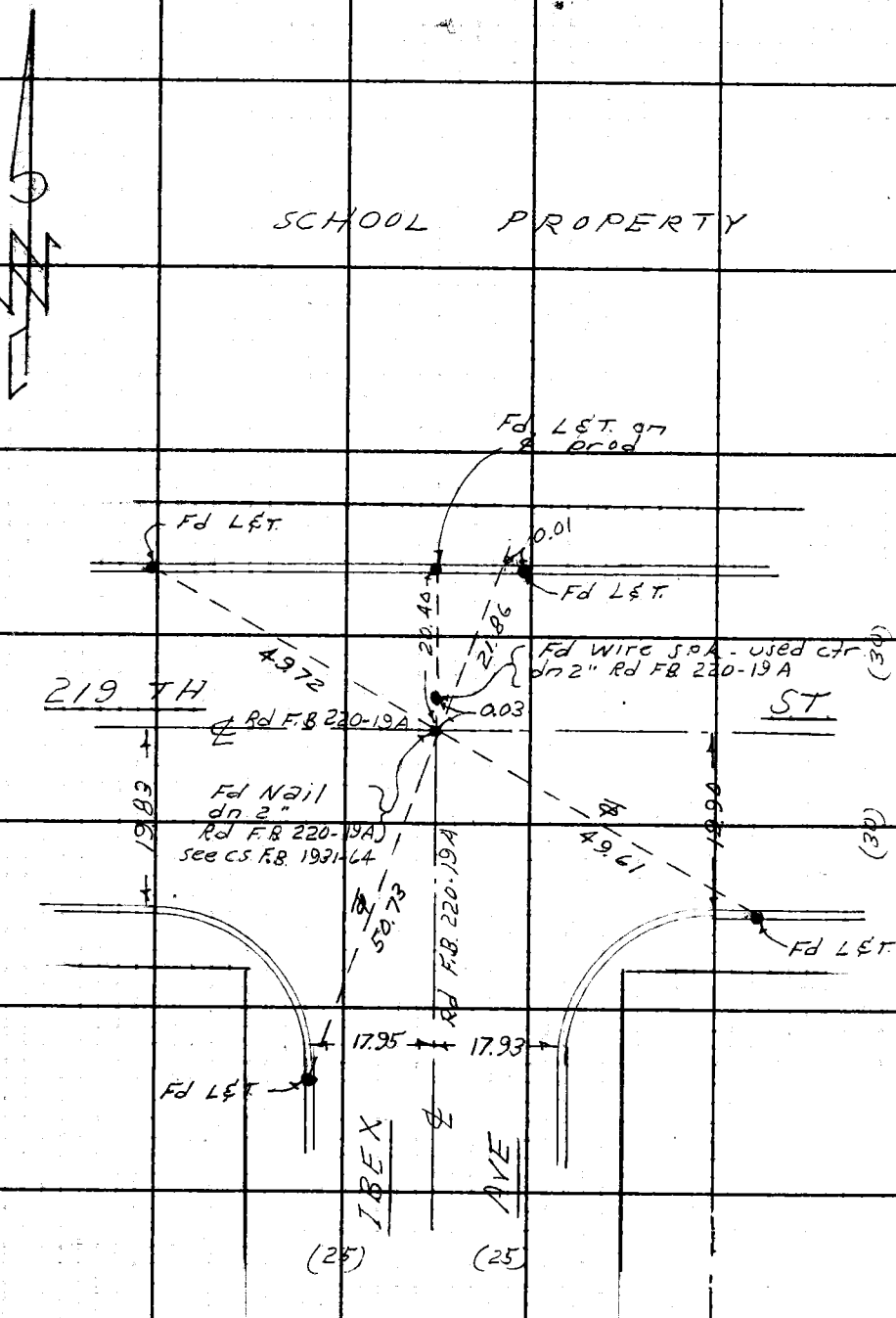


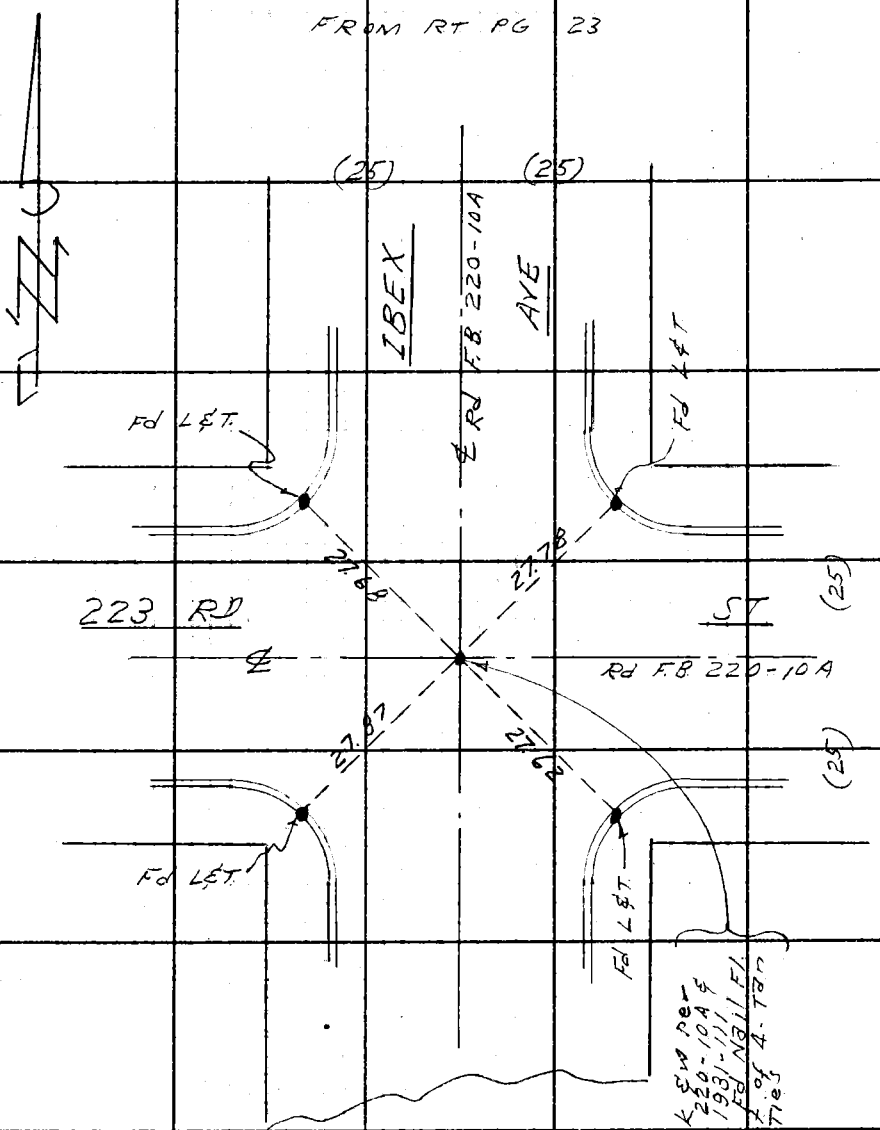
STORM DRAIN PROJ. #691

Notes Ck'd by	Survey of Belshire Ave
Map No.	JN 6269.10 Tape 0209 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 9-3-63
Date	Indexed C. J. GALLI

F. B. 2582 PG. 25

W.S. 31, D-2

FROM RT PG 23



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76F3095 CE # 310 3-61

W531-D-2

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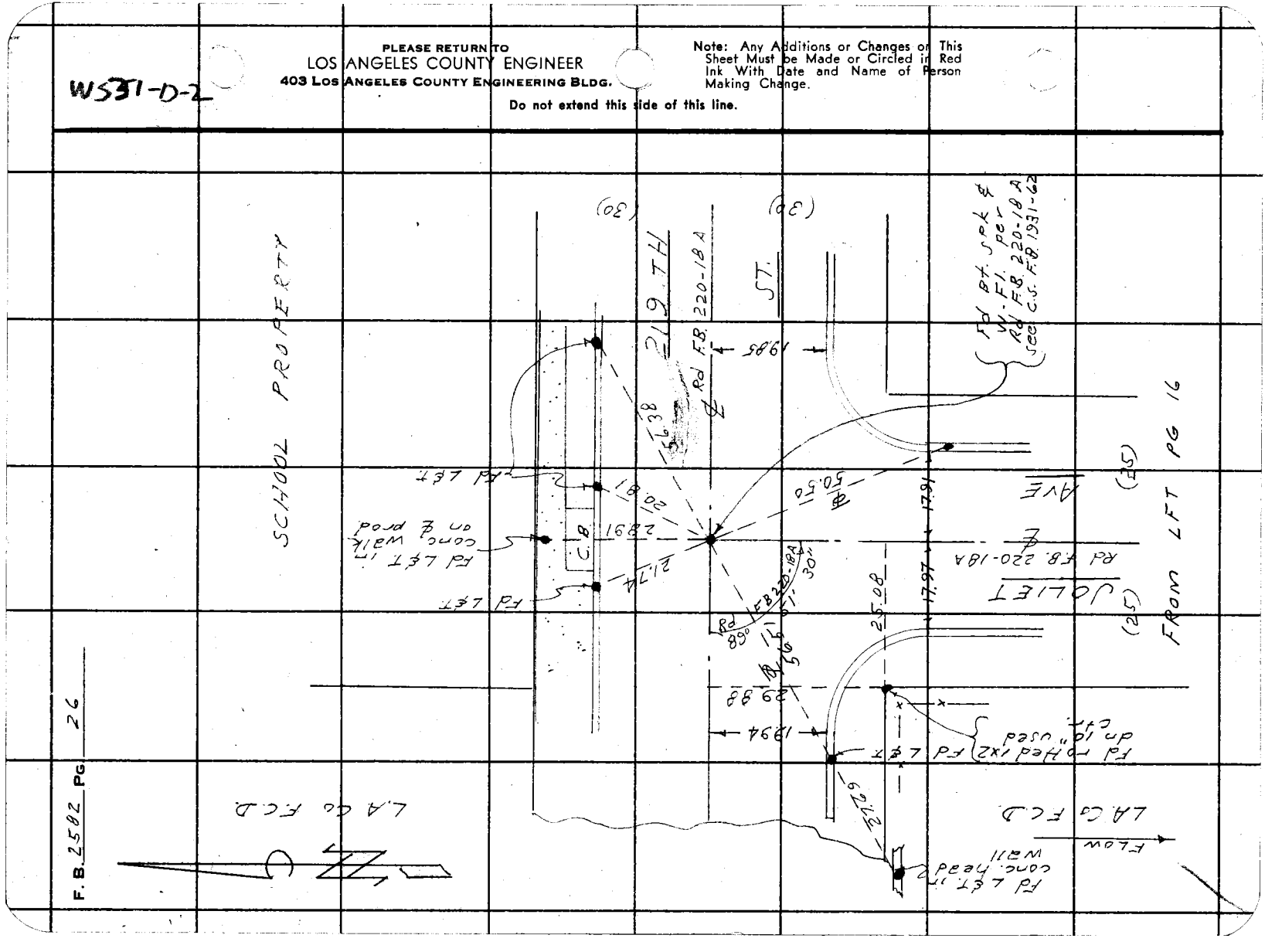
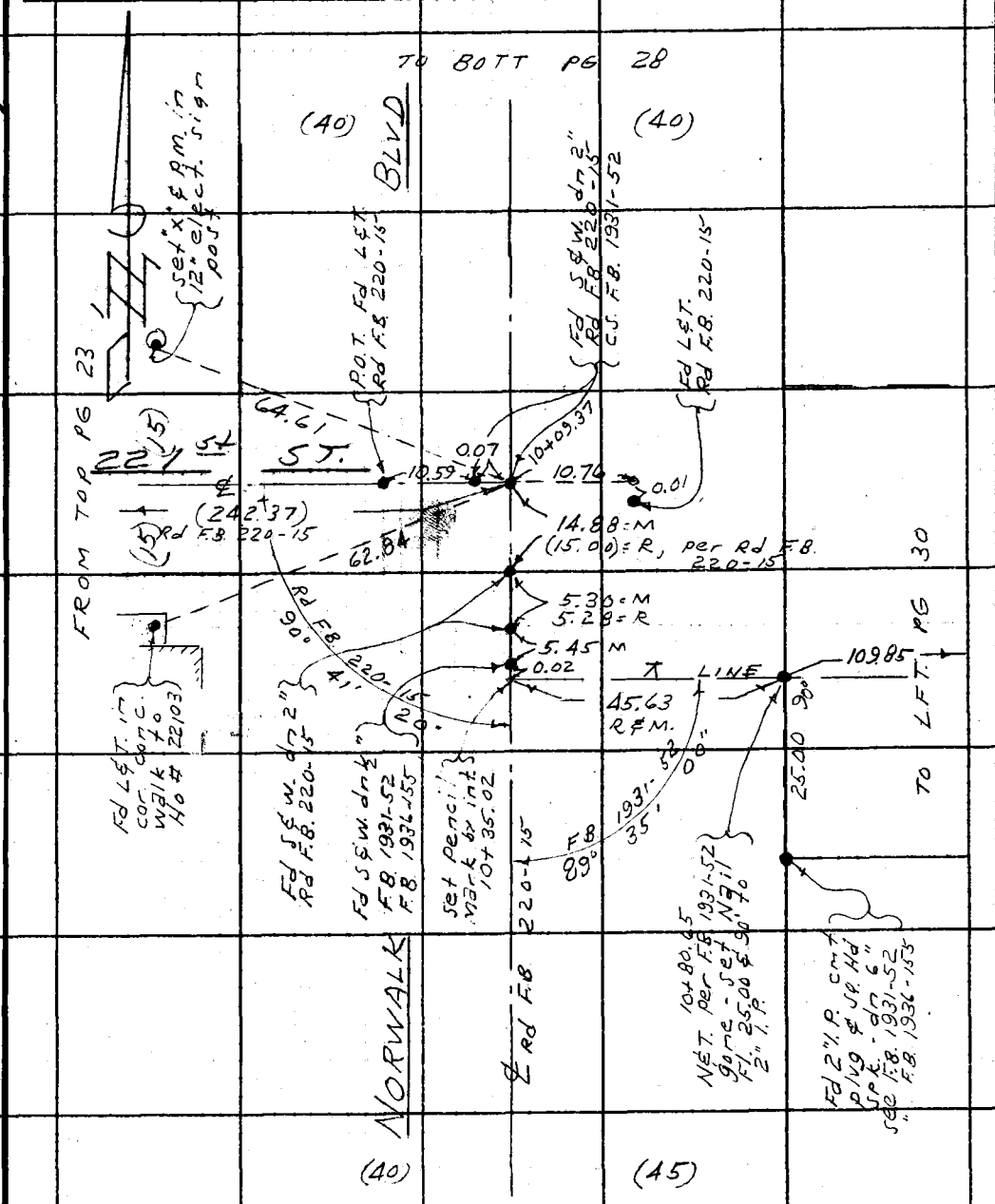


STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 PG. 27
Map No.	JN 6269.10 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 9-5-63	
Date	Indexed E. J. GALLI	

WS31, D-2



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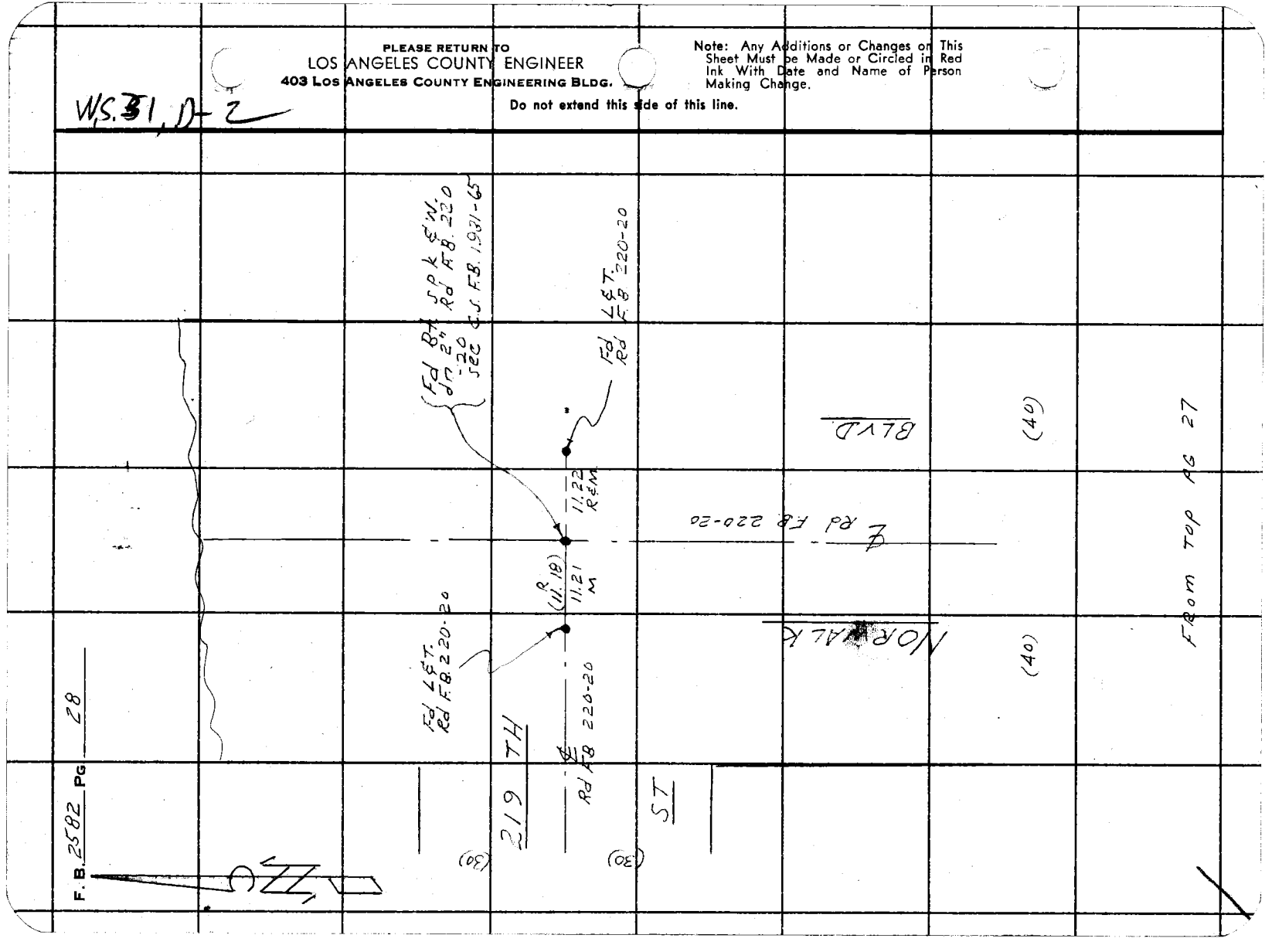
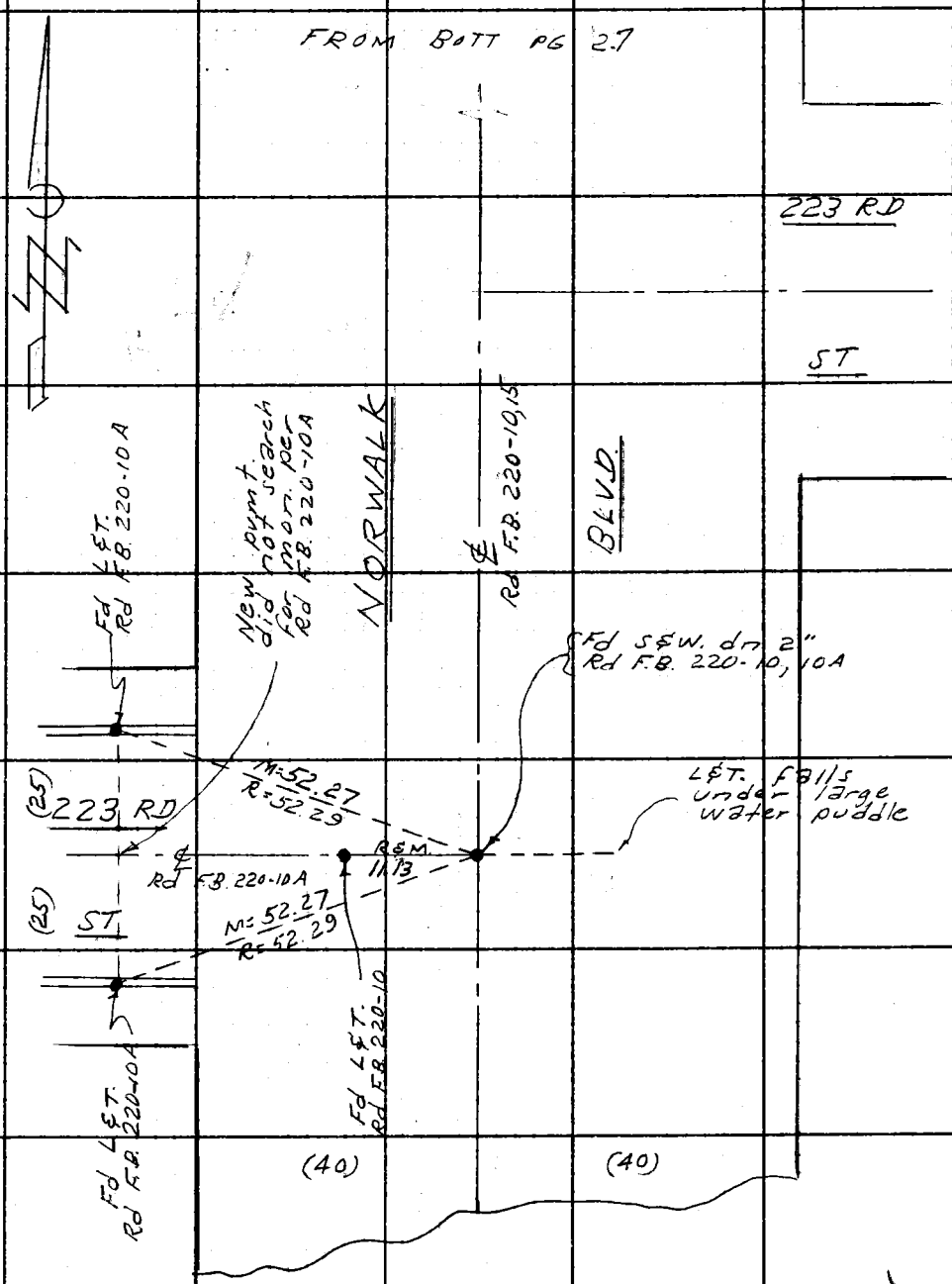
W.S. 31, D-2



STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 Pg. 29
Map No.	JN 6269.10 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 9-5-63	
Date	Indexed R. J. GALLI	

WS 31, D-2



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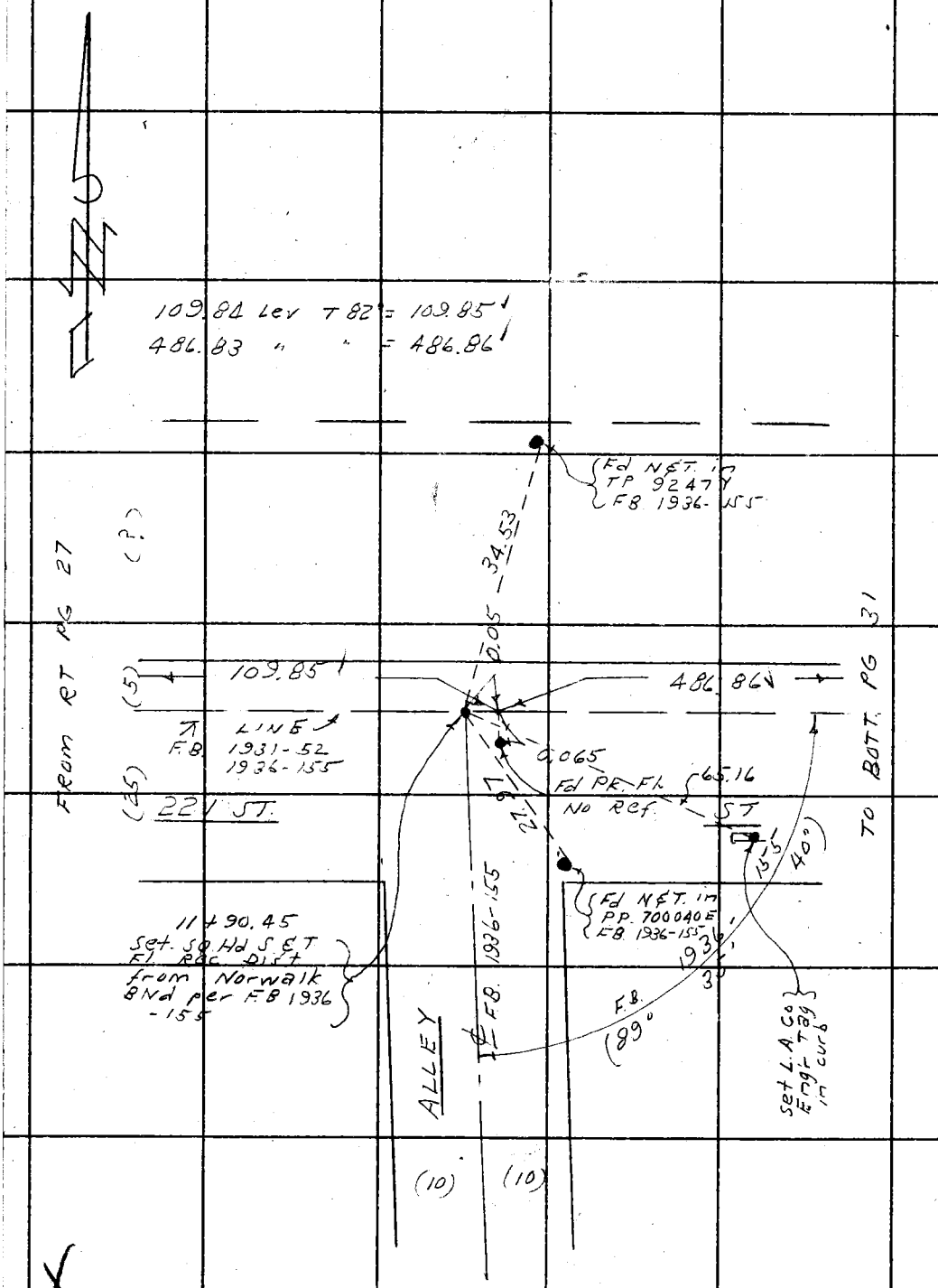
F. B. 2582 PG 30



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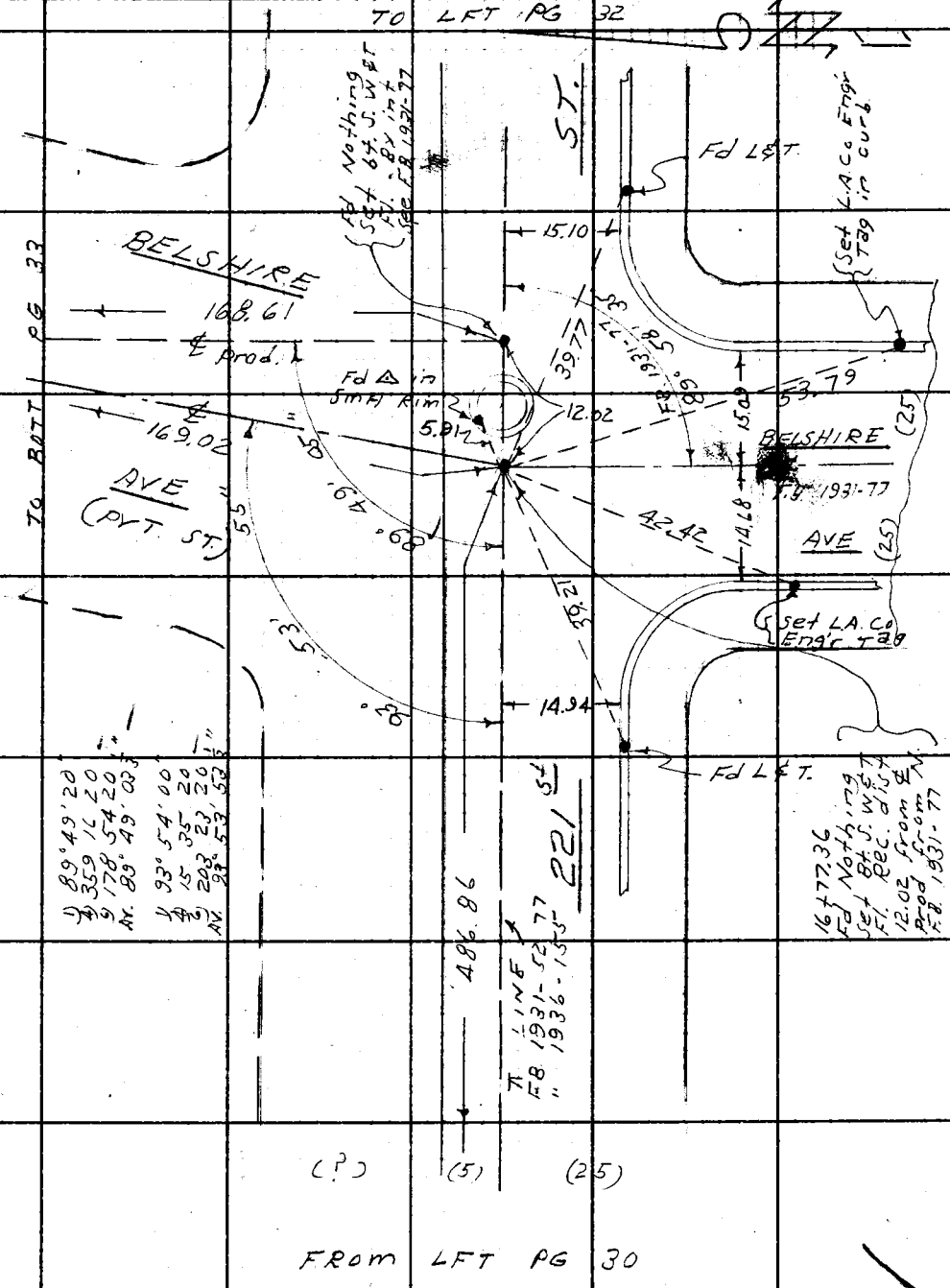
STORM DRAIN PROJ # 691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 PG. 31
Map No.	JN 6269.10 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S Date 9-6-63	
Date	Indexed C. J. GALLI	

W.S. 31, D-2



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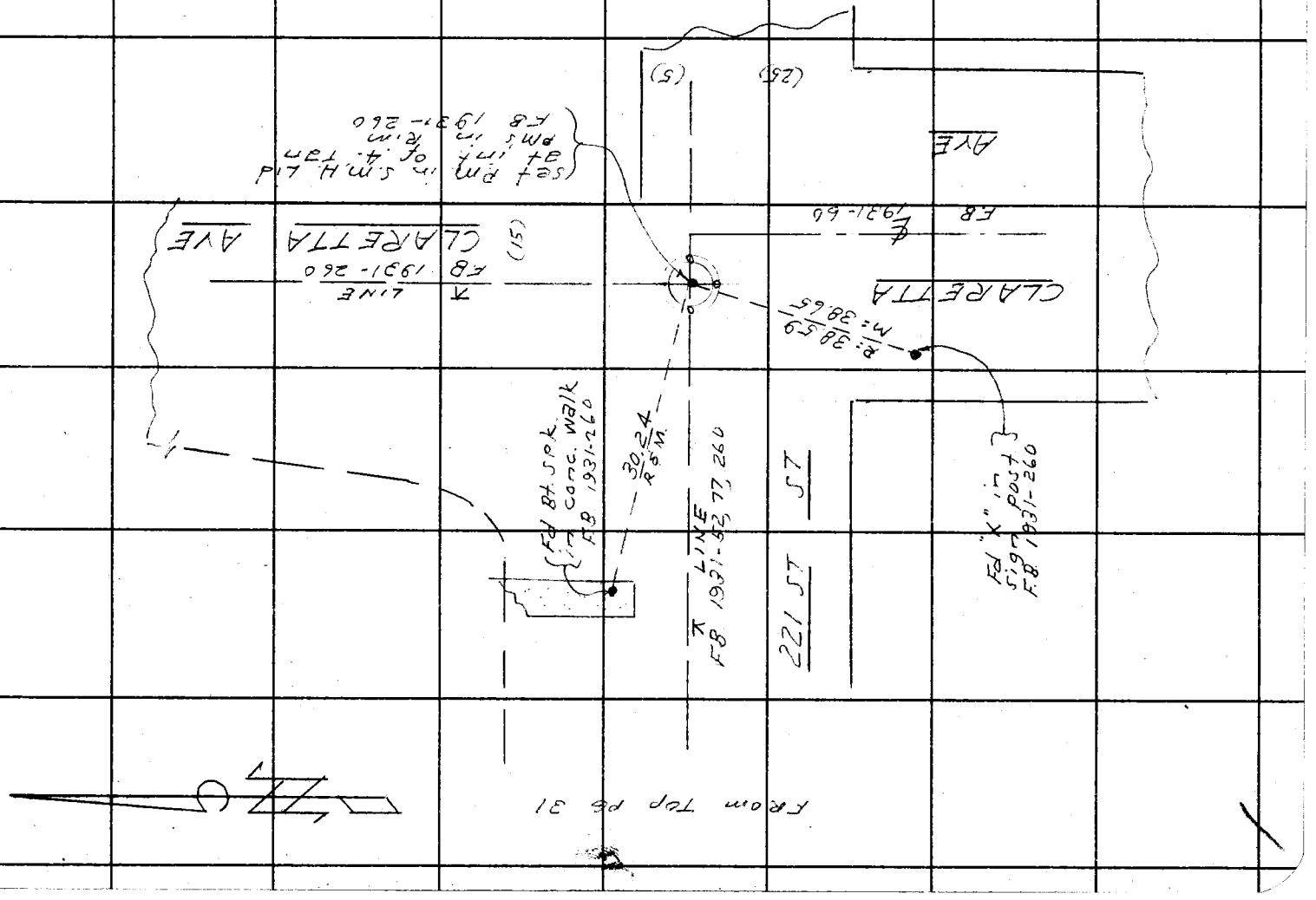
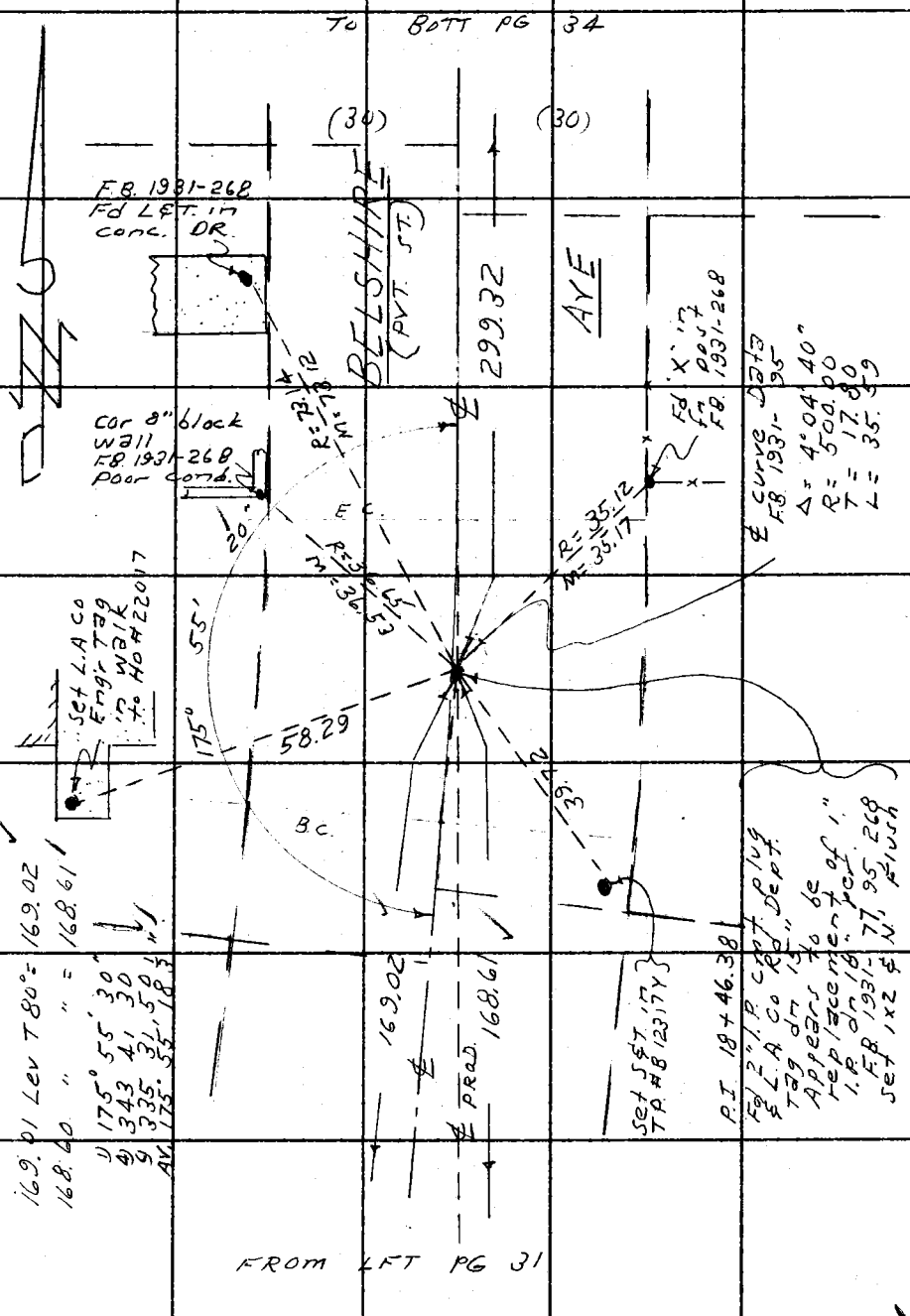
WS 31, D-2



F. B. 23582 PG 32

STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 PG. 33
Map No.	JN 6269.10 Tape 0209 Std 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 9-6-63	
Date	Indexed E. J. GALLI	



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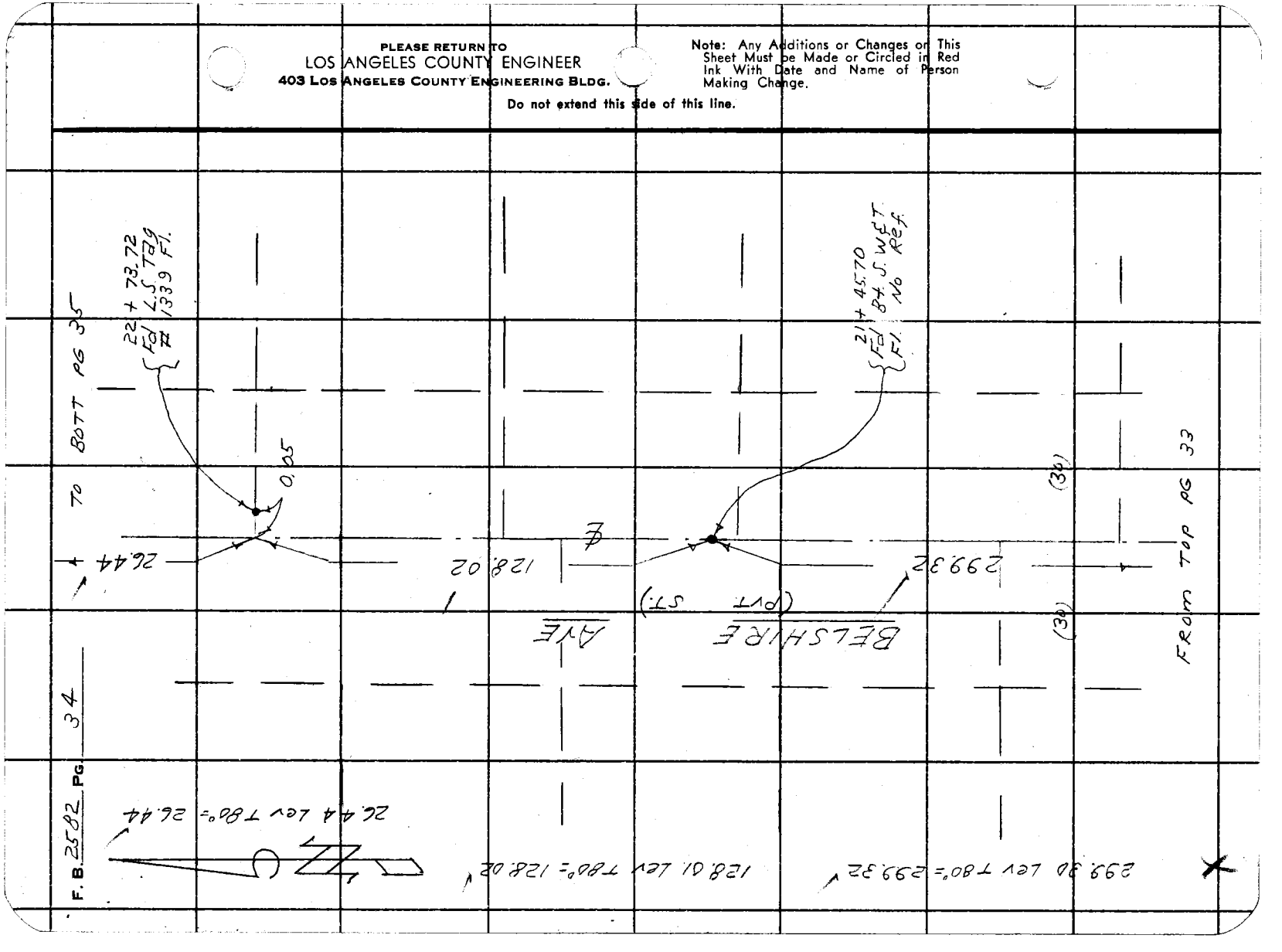
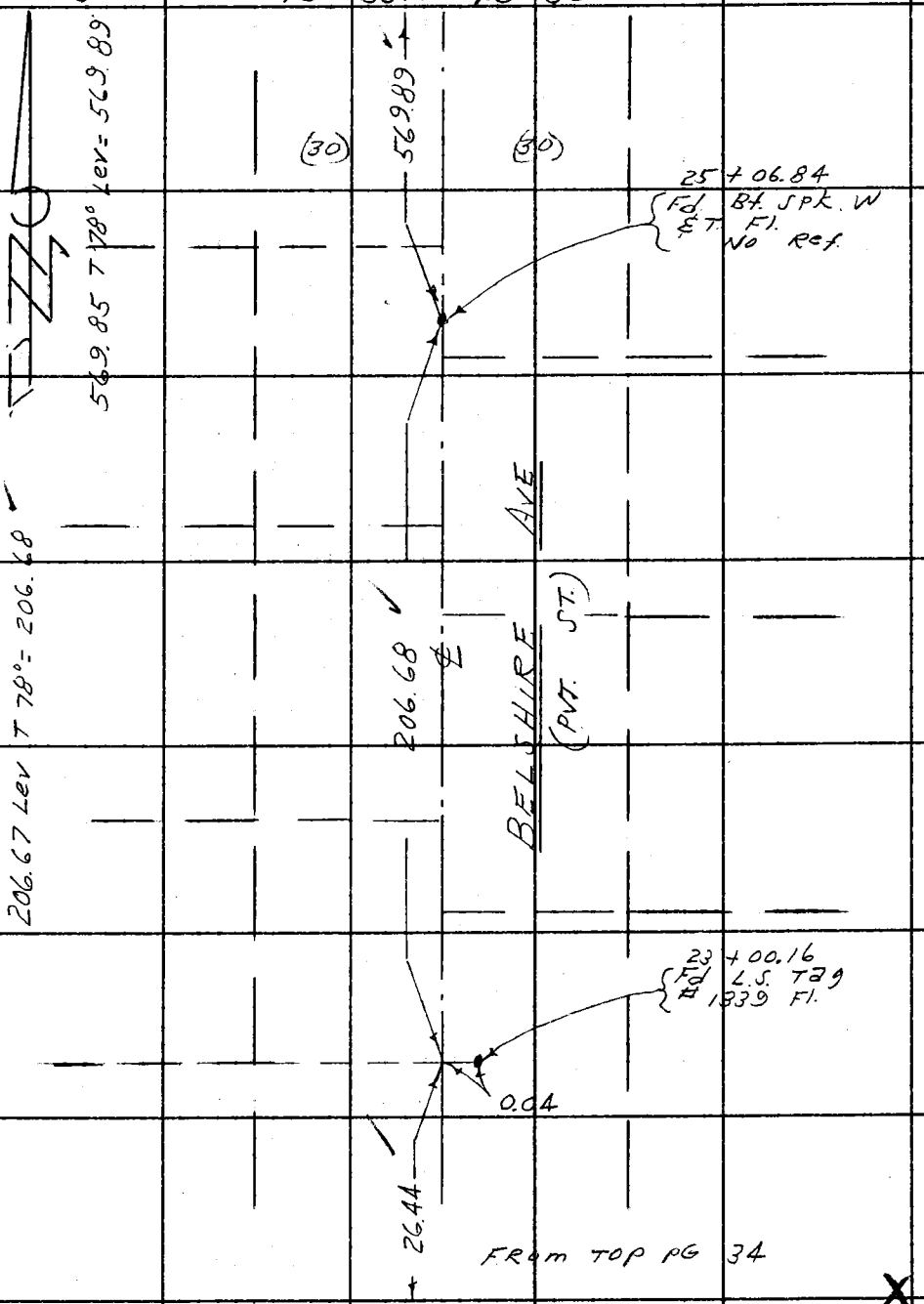


Hawaiian Gardens Area

Notes Ck'd by	Survey of Belshire Ave - S.D. P.C. 691
Map No.	JN 62C910 Tape 0209 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 9-6-63
Date	Indexed E. J. GALLI

F. B. 2582 PG. 35

TO BOTT PG 36



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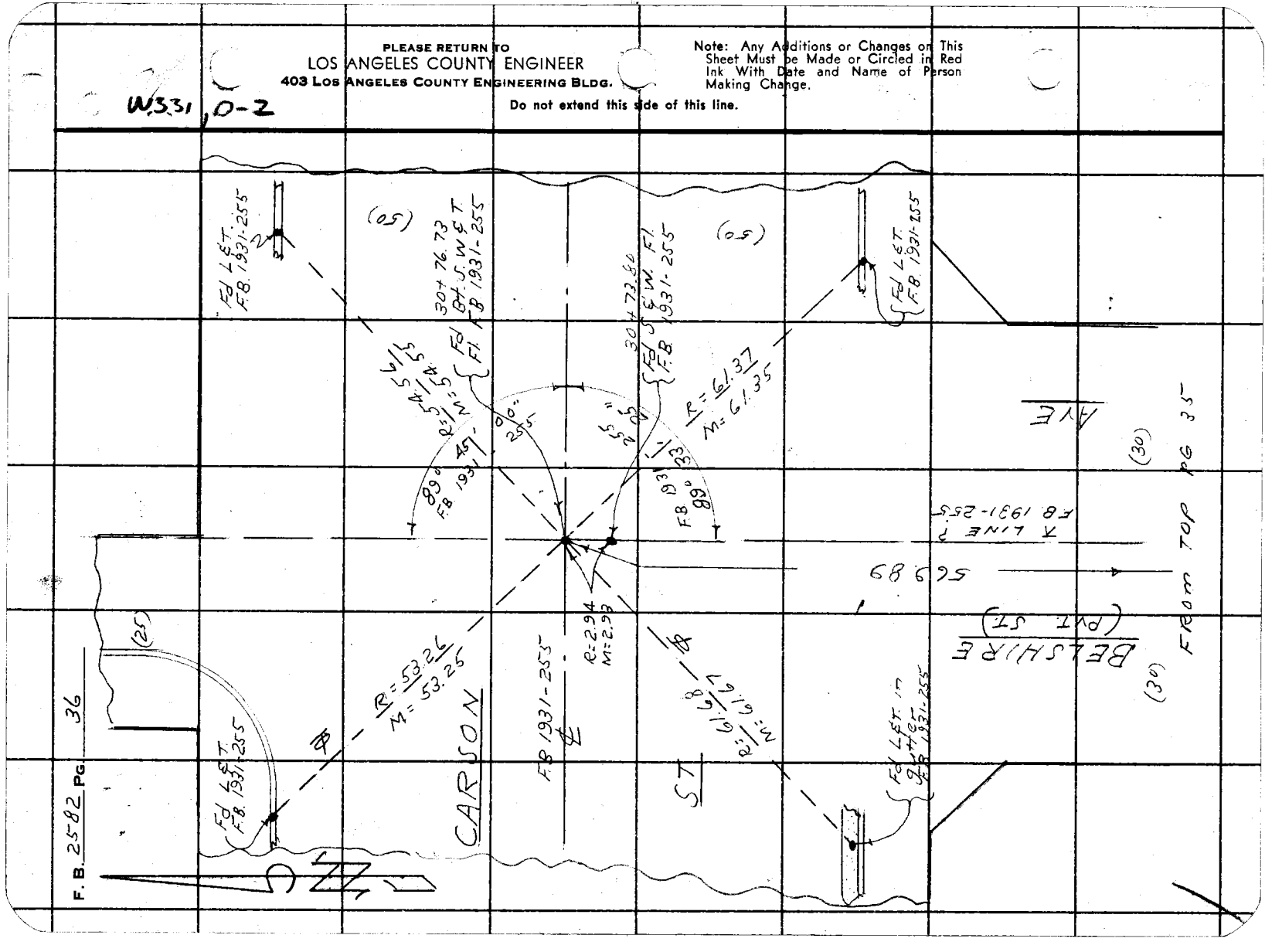
W.331, 0-2



Notes Ck'd by		Survey of	
Map No.		JN Tape Std °F	
Office Work		Surveyed by	
Checked		Notes Date	
Date		Indexed E. J. GALLI	

F. B. PG.

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PGS 37 - 46

LEFT OPEN FOR

FUTURE WORK

78F3085 CE # 310 7-61

F. B._____ PG_____

PGS 38 to 46

LEFT OPEN FOR

FUTURE WORK

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STORM DRAIN Proj #691

Notes Ck'd by	Survey of Belshire Ave
Map No.	JN 626910 Tape Std °F
Office Work	Surveyed by D. Sappell
Checked	Notes P. Foulger Date 9-6-63
Date	Indexed E. J. GALLI OCT 3 '63

F. B. 2502 PG. 47

JN 626910

BELSHIRE AVE

STORM DRAIN PROJ Nº 691

HAWAIIAN GARDENS AREA

LOC. OF IMP.

OF

221 ST ST FROM EXIST. DRAIN PROJ Nº 21 TO BELSHIRE AVE & ALONG BELSHIRE AVE N. TO CARSON ST.

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Sappell
Foulger
Lieber
Yamamoto

76F3095 CE # 310 3-61

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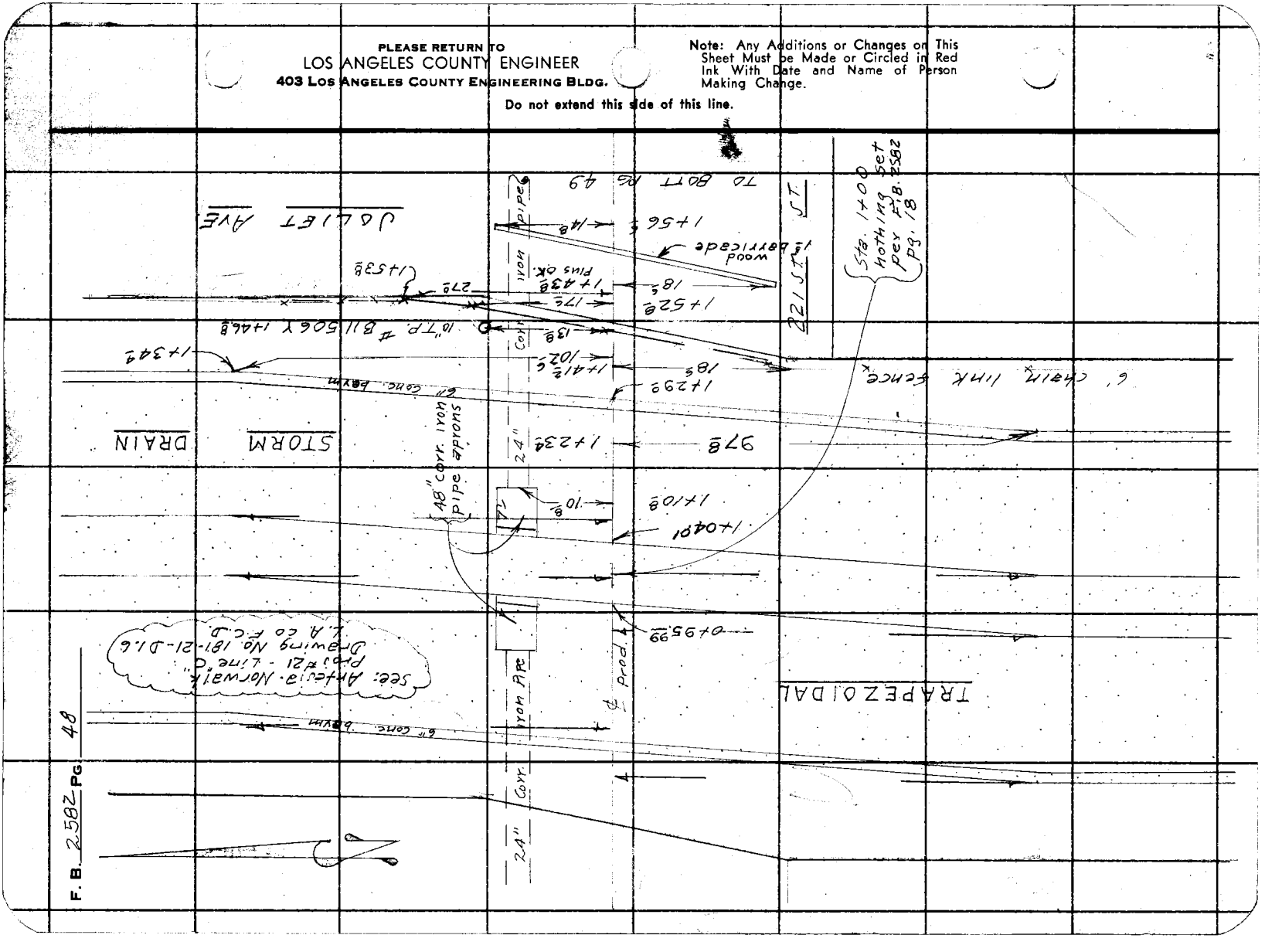
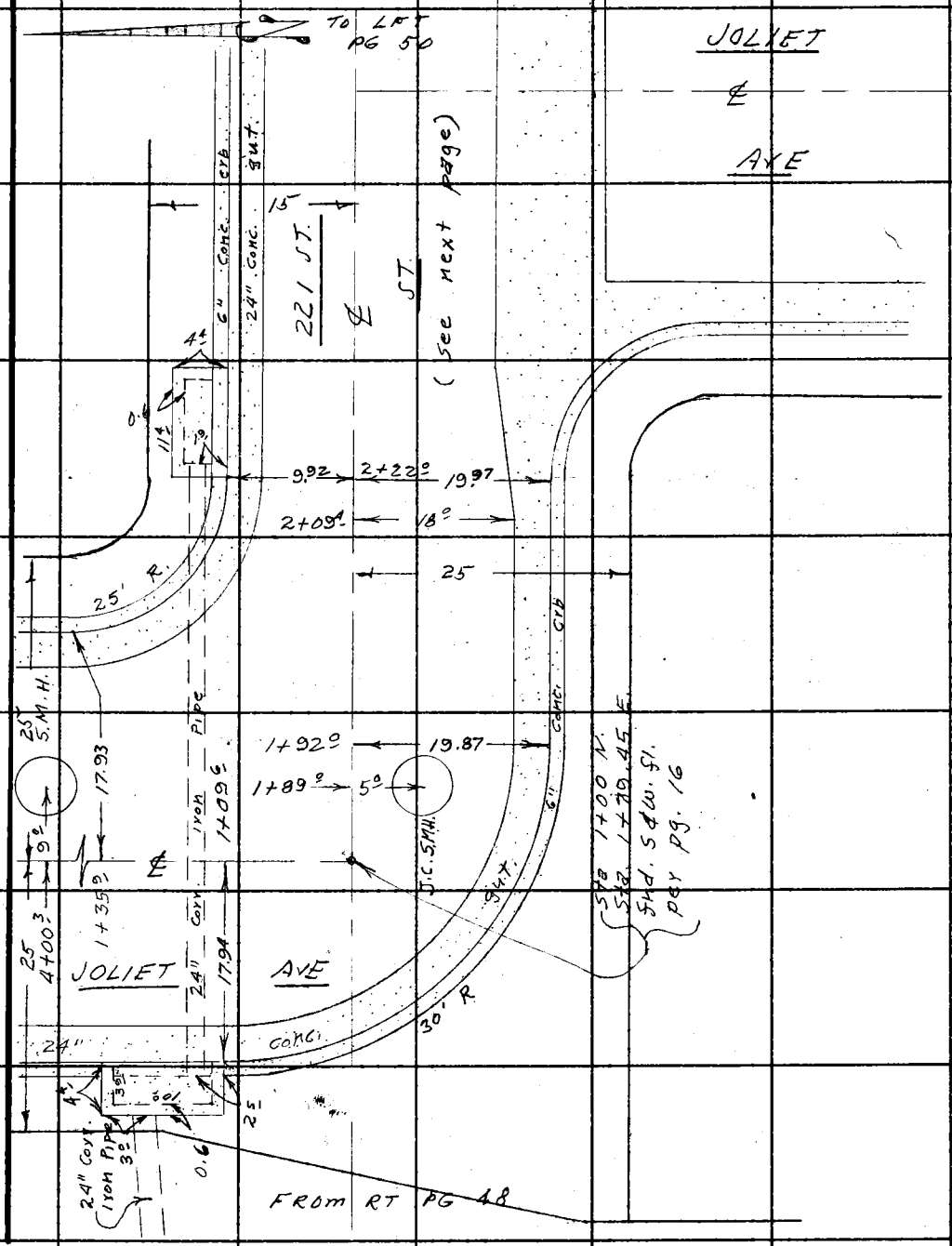


F.B. 2582 PG. 48

STORM DRAIN PROJ #631

Notes Ck'd by	Survey of Belshire Ave
Map No.	JN 6269.10 Tape Std °F
Office Work	Surveyed by D. Seppelt
Checked	Notes D. Faulger Date 2-6-63
Date	Indexed C. J. GALLI

F. B. 2582 PG. 49



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ZSF3095 CE # 310 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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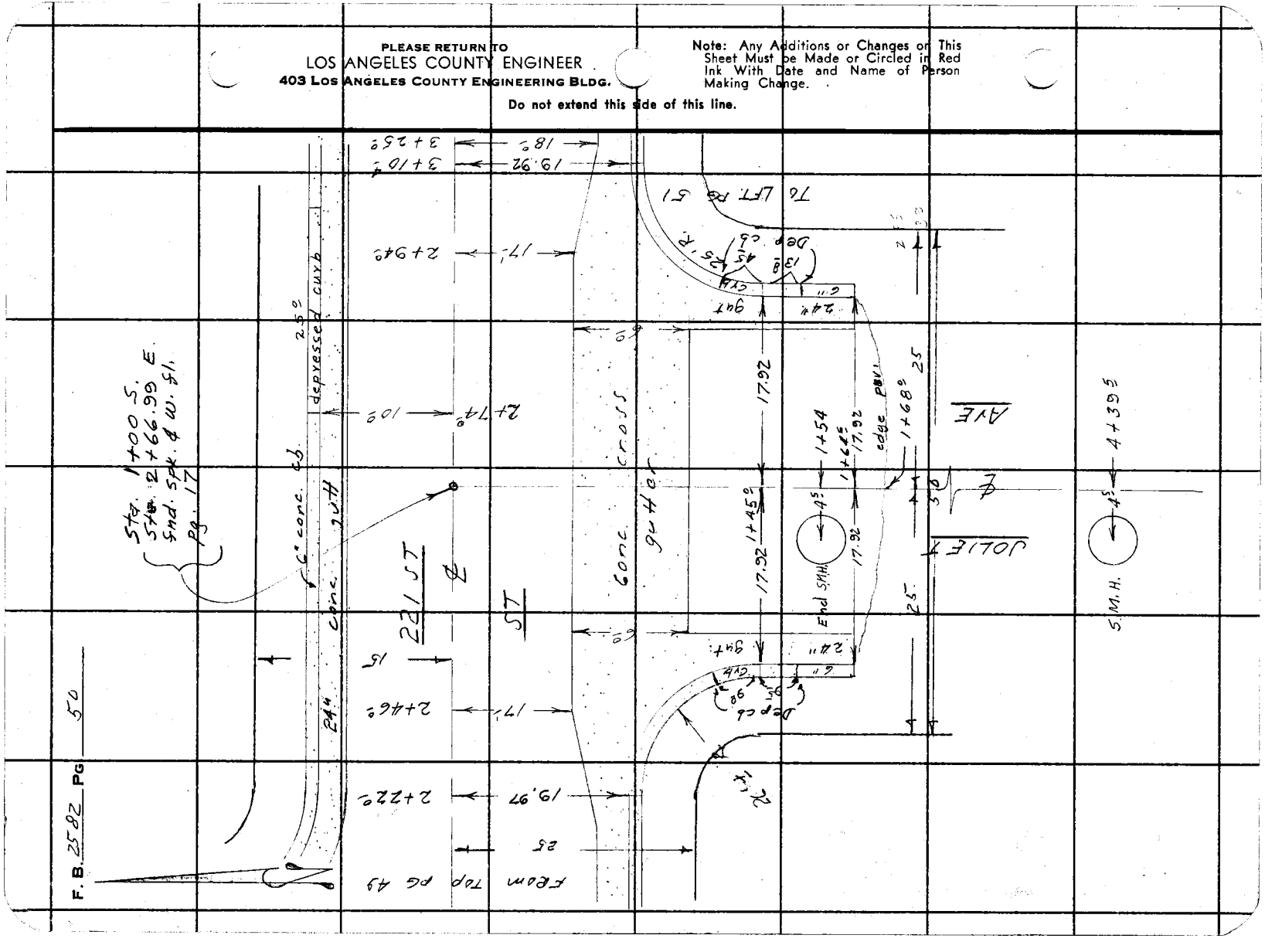
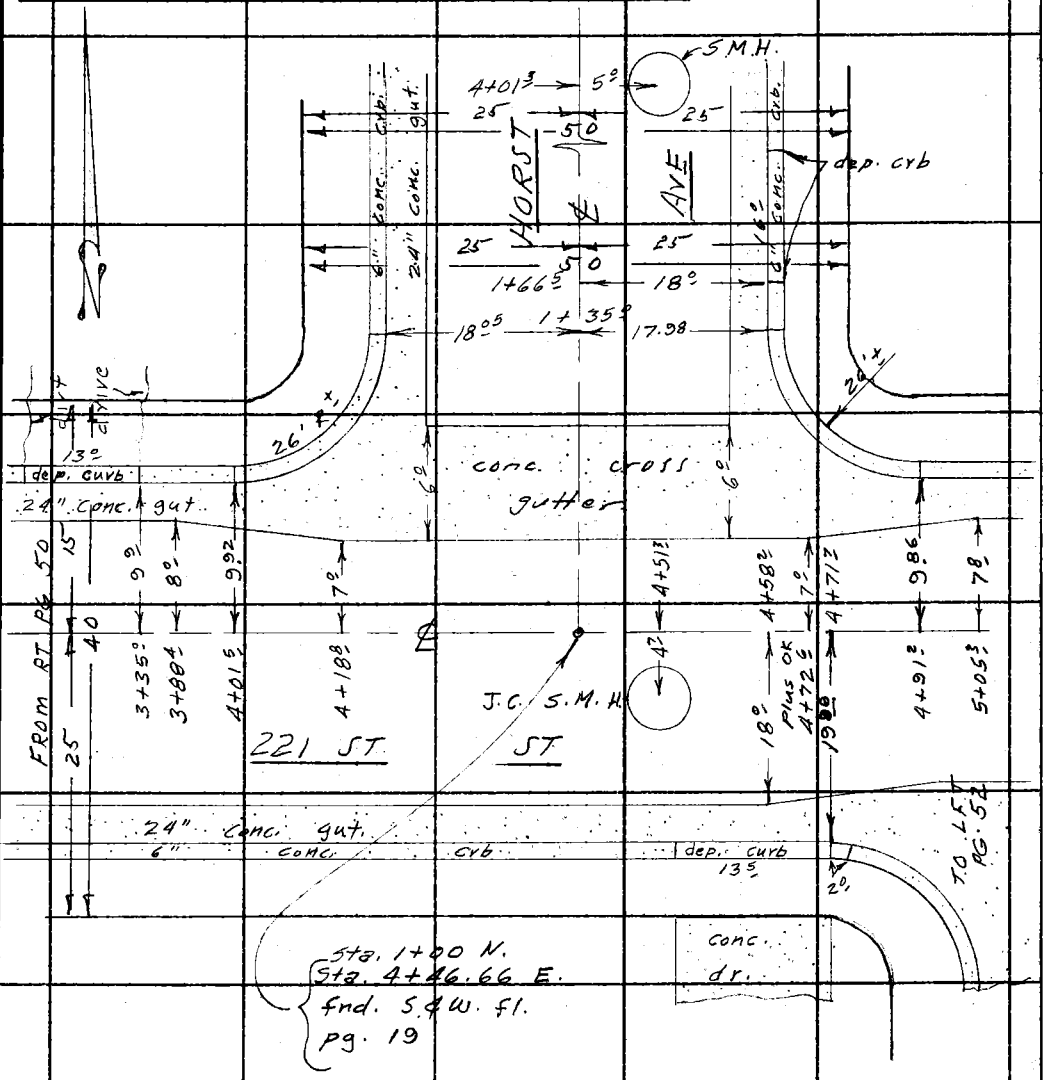


STORM DRAIN PROJ # 691

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Belshire Ave
JN 6269 Tape Std °F
Surveyed by D. Sappell
Notes D. Faulger Date 9.10.63
Indexed R. J. GALLI

F. B. 2582 PG. 51



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403 Los Angeles County Engineering Bldg.

76F3095 CE # 310 8-61

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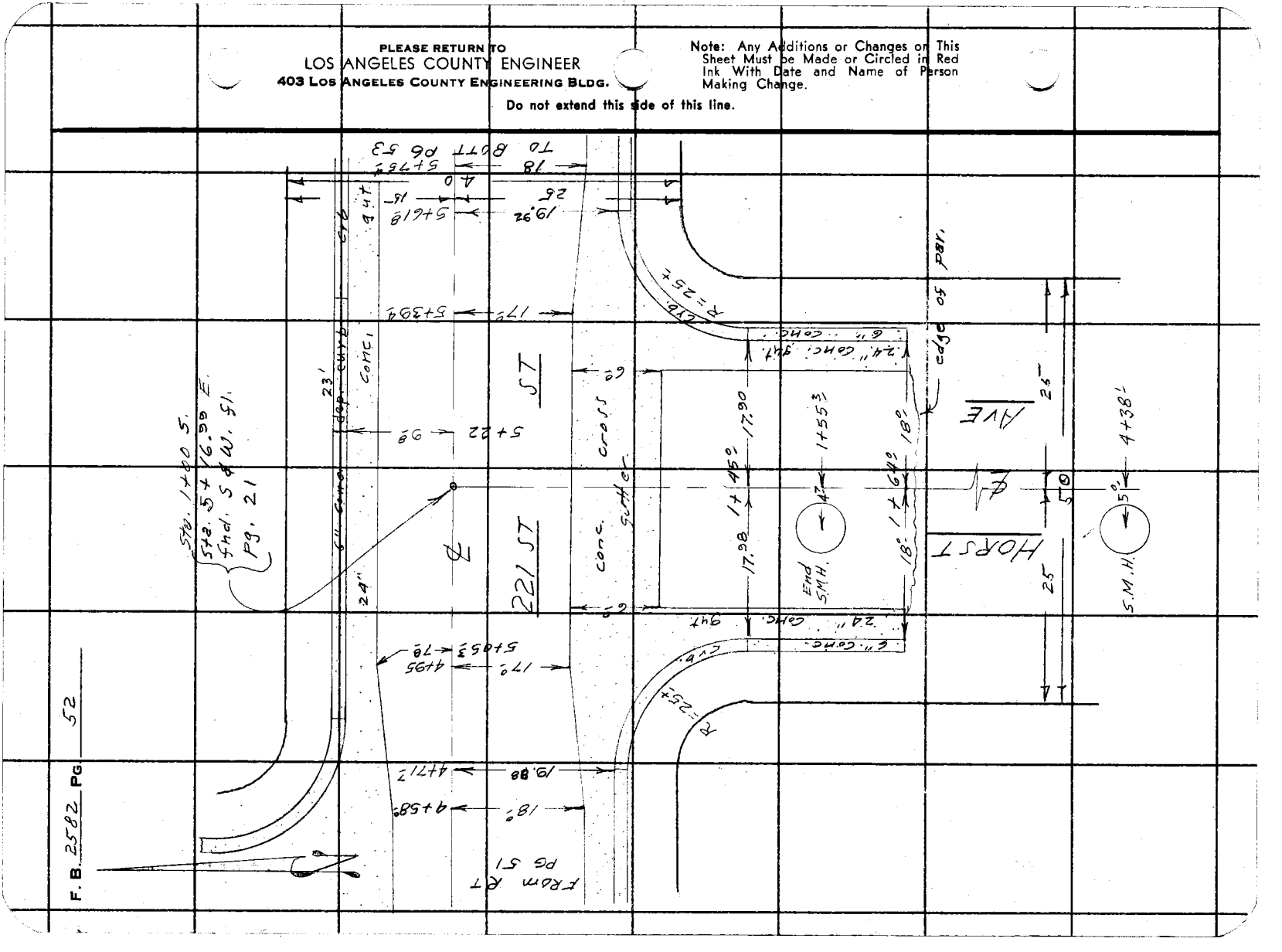
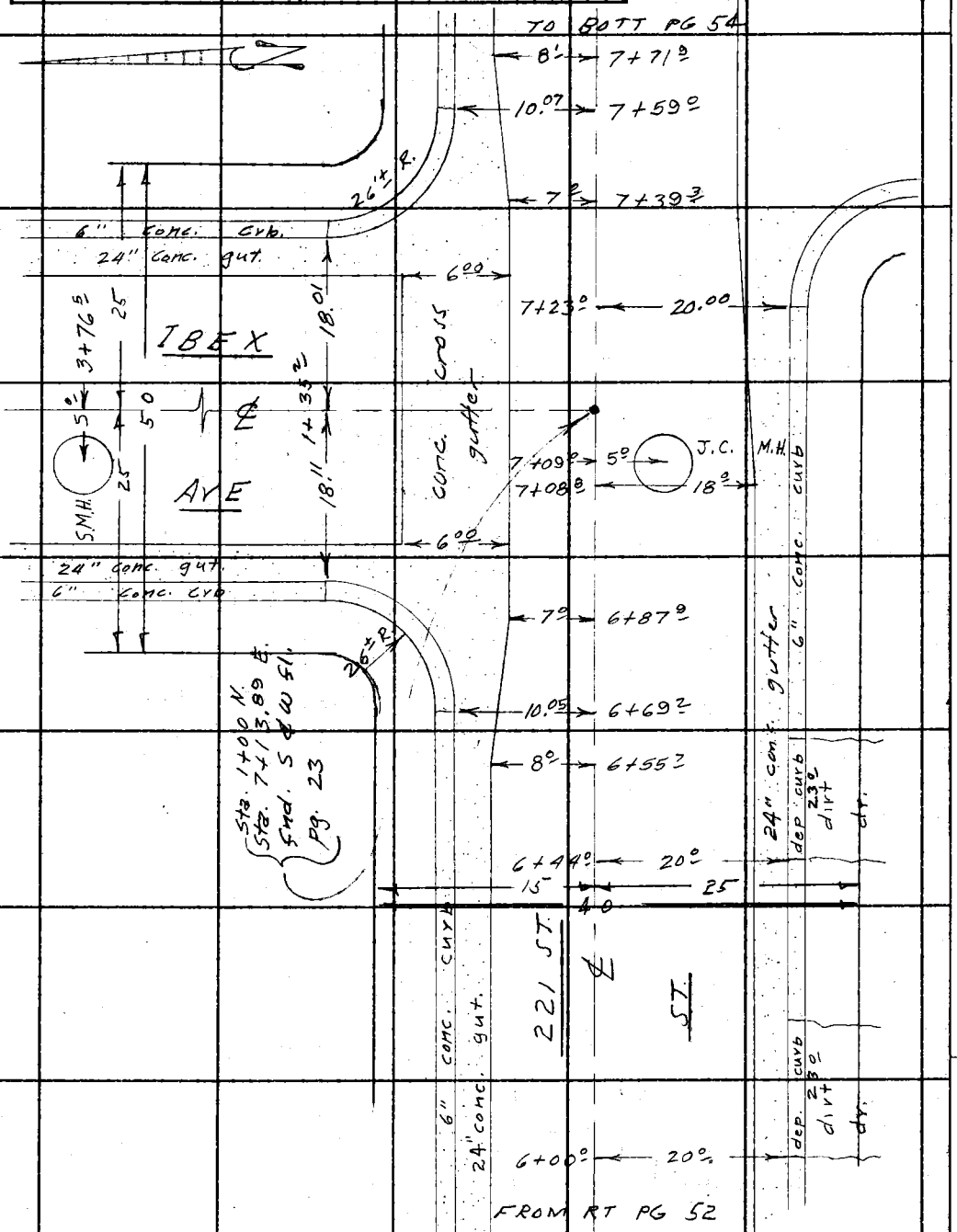


STORM DRAIN PROJ # 691

Notes Ck'd by	Survey of Belshire Ave
Map No.	JN 6269.10 Tape Std °F
Office Work	Surveyed by D. Sappell
Checked	Notes D. Foulger Date 9-10-63
Date	Indexed C. J. GALLI

F. B. 2582 PG. 53



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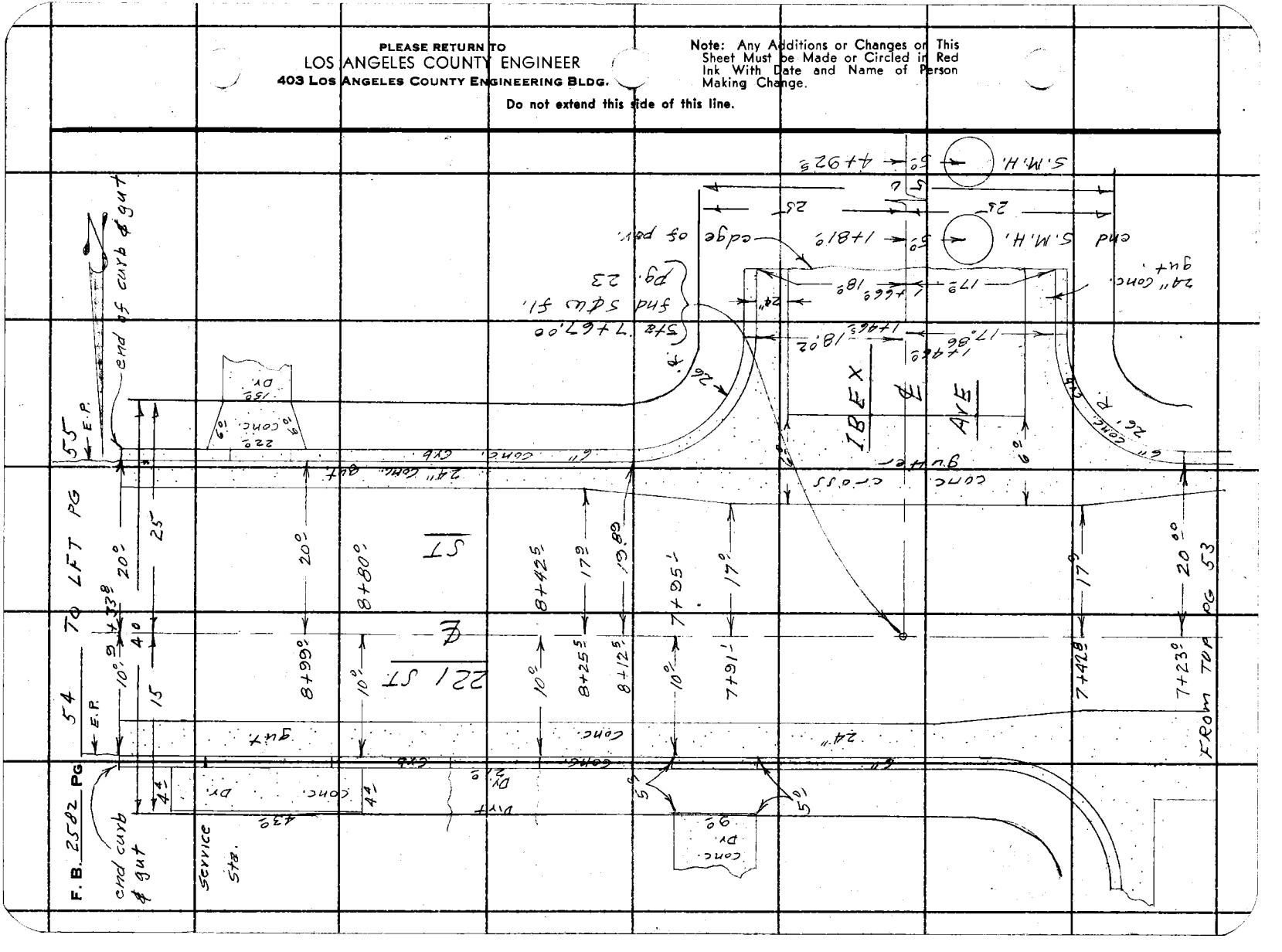
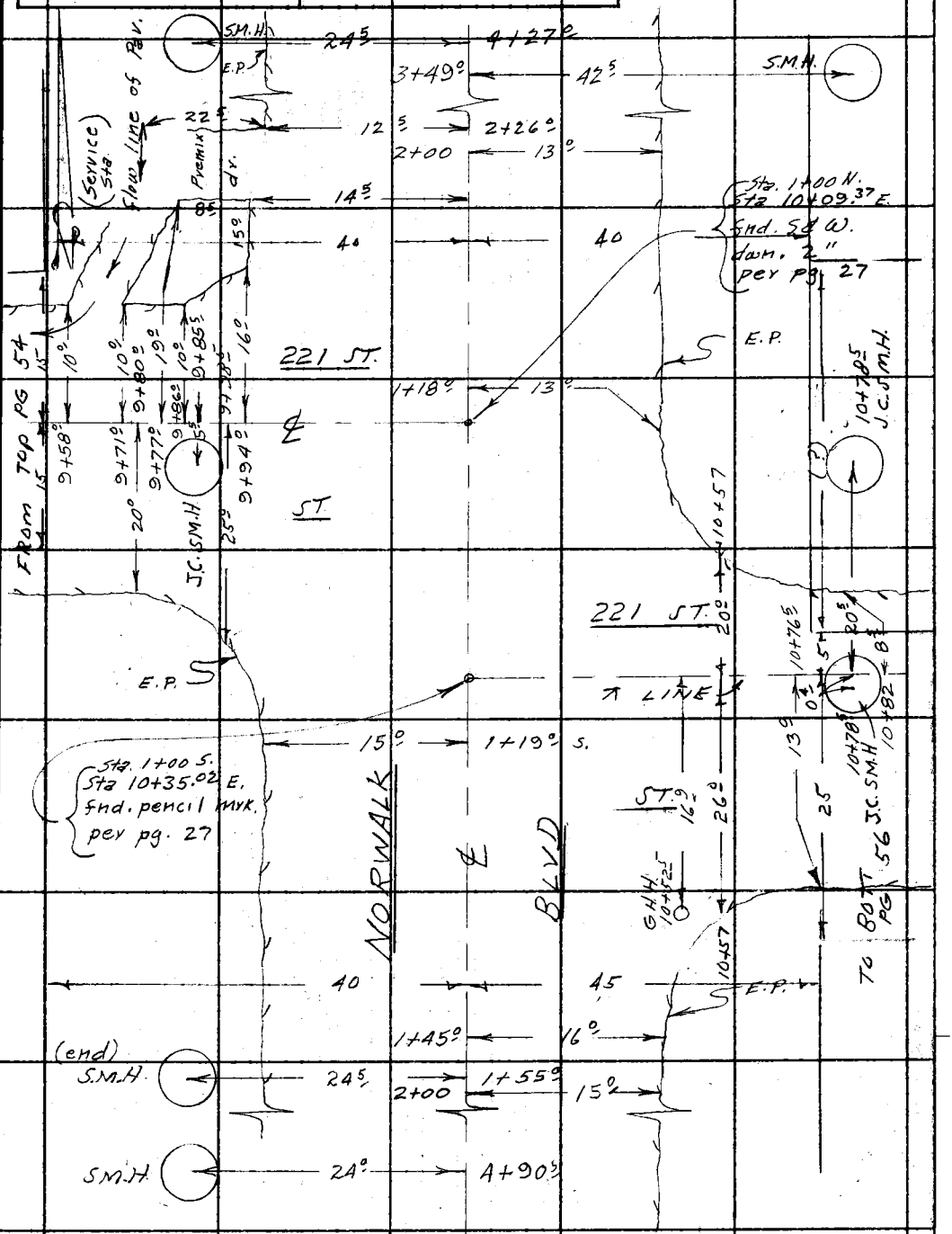


STORM DRAIN PROJ #691

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Belshire Ave
JN 6269.10 Tape Std °F
Surveyed by D. Sapp II
Notes D. Foulger Date 9-10-63
Indexed E. J. GALLI

F. B. 2582 PG. 55



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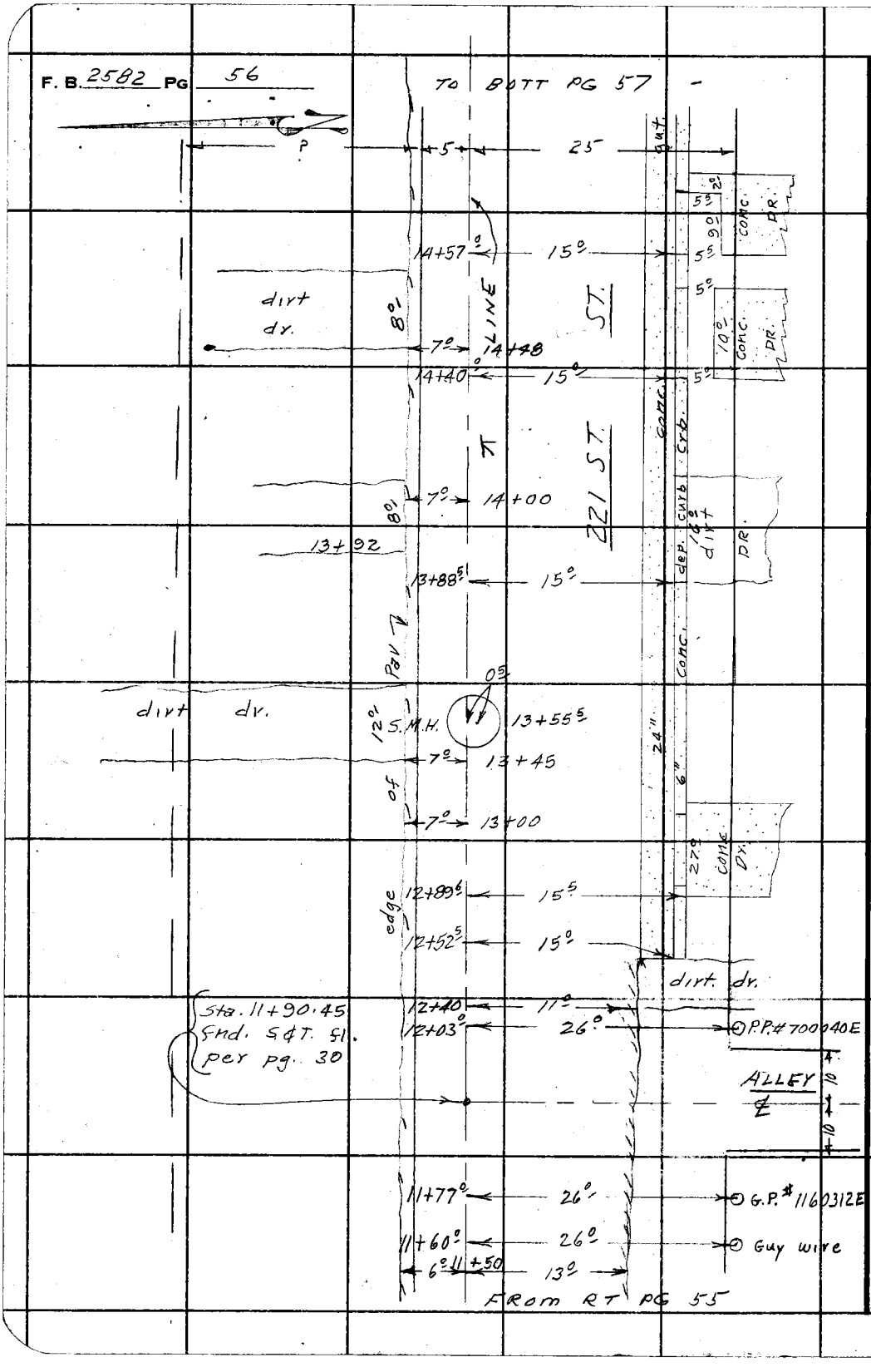
78F3085 CE # 310 2-61



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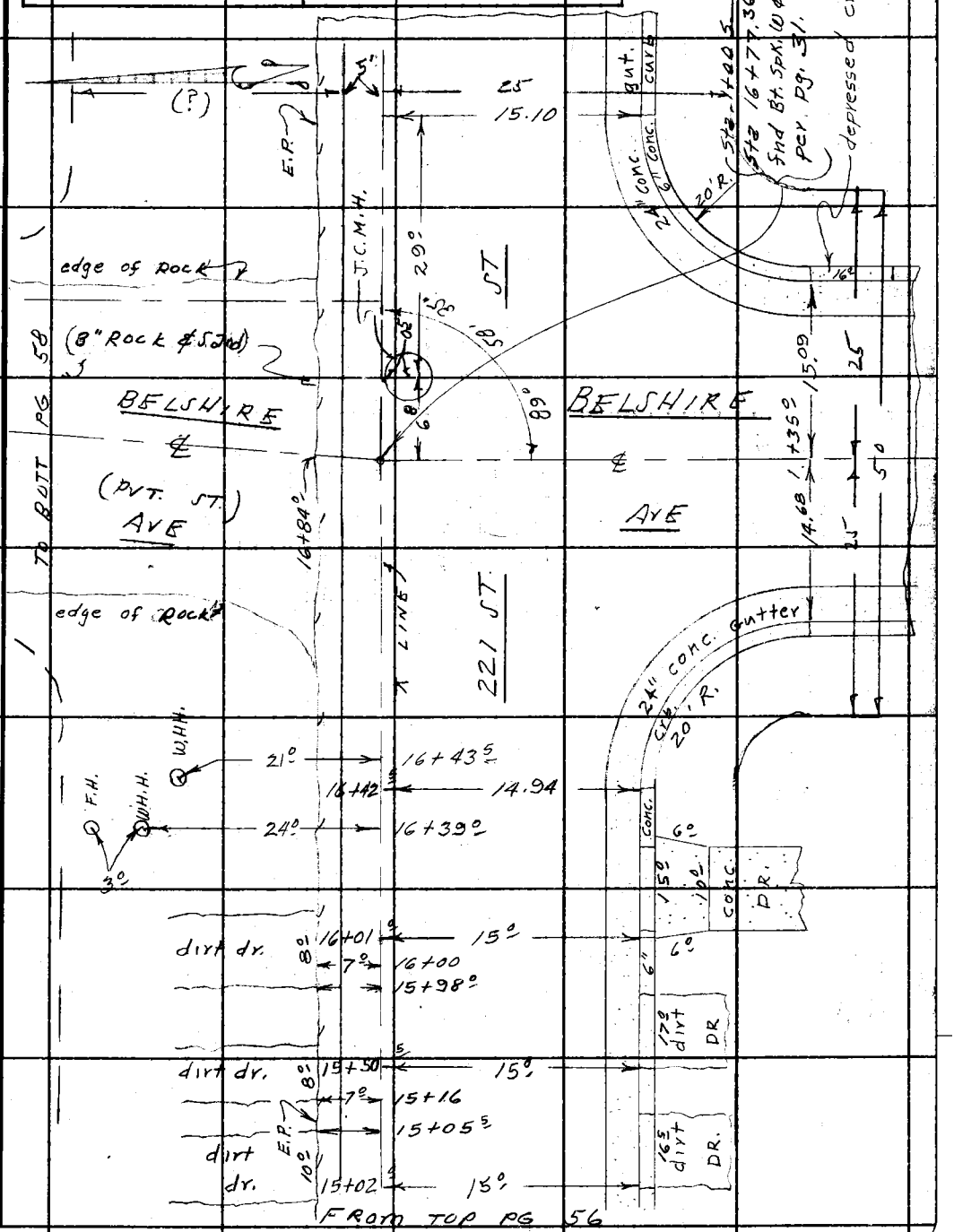
STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 PG. 57
Map No.	JN 6269.10 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D. Foulger Date 9-10-63	
Date	Indexed E. J. GALLI	



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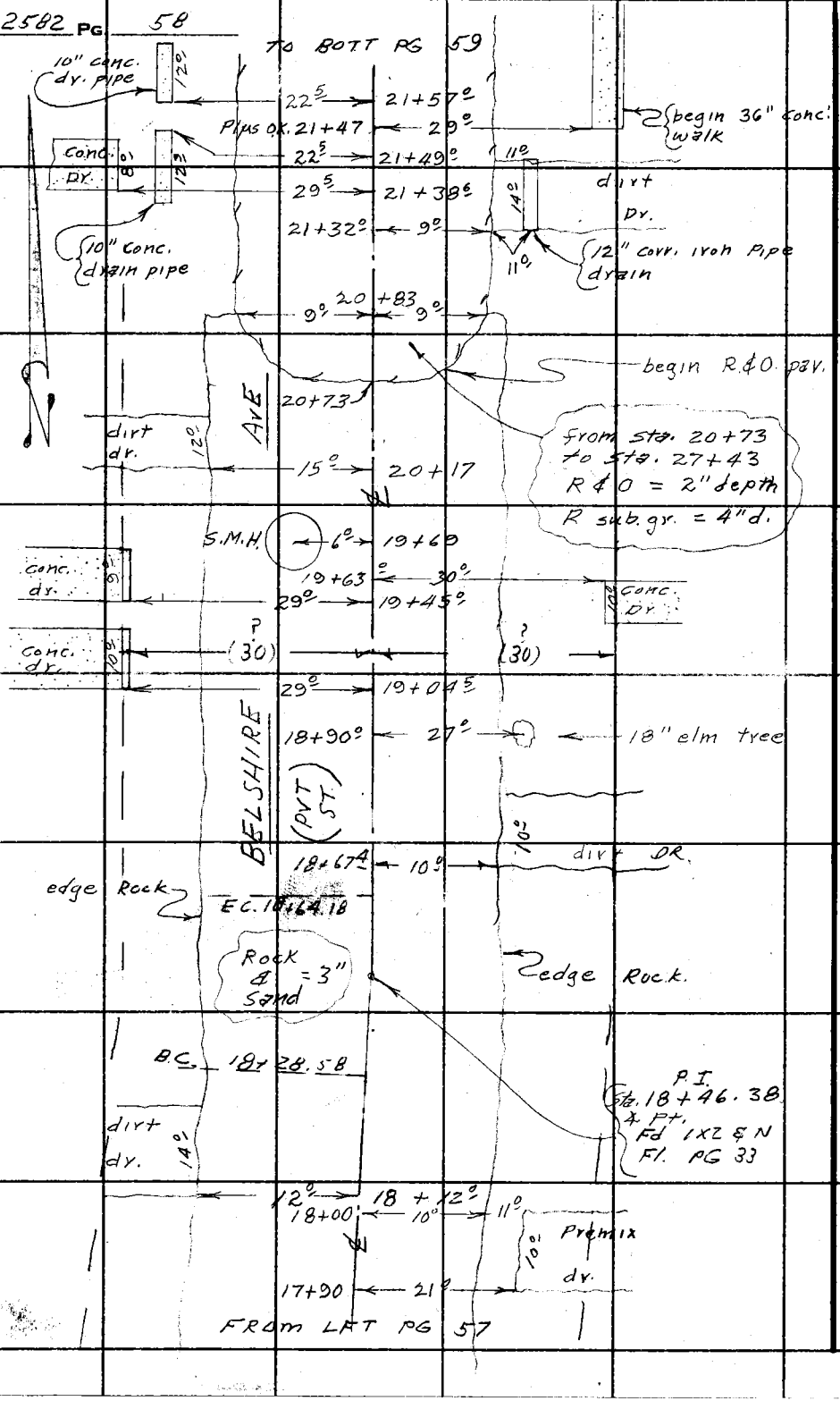
76F309S CE # 310 3-61

F. B. 2582 PG. 58



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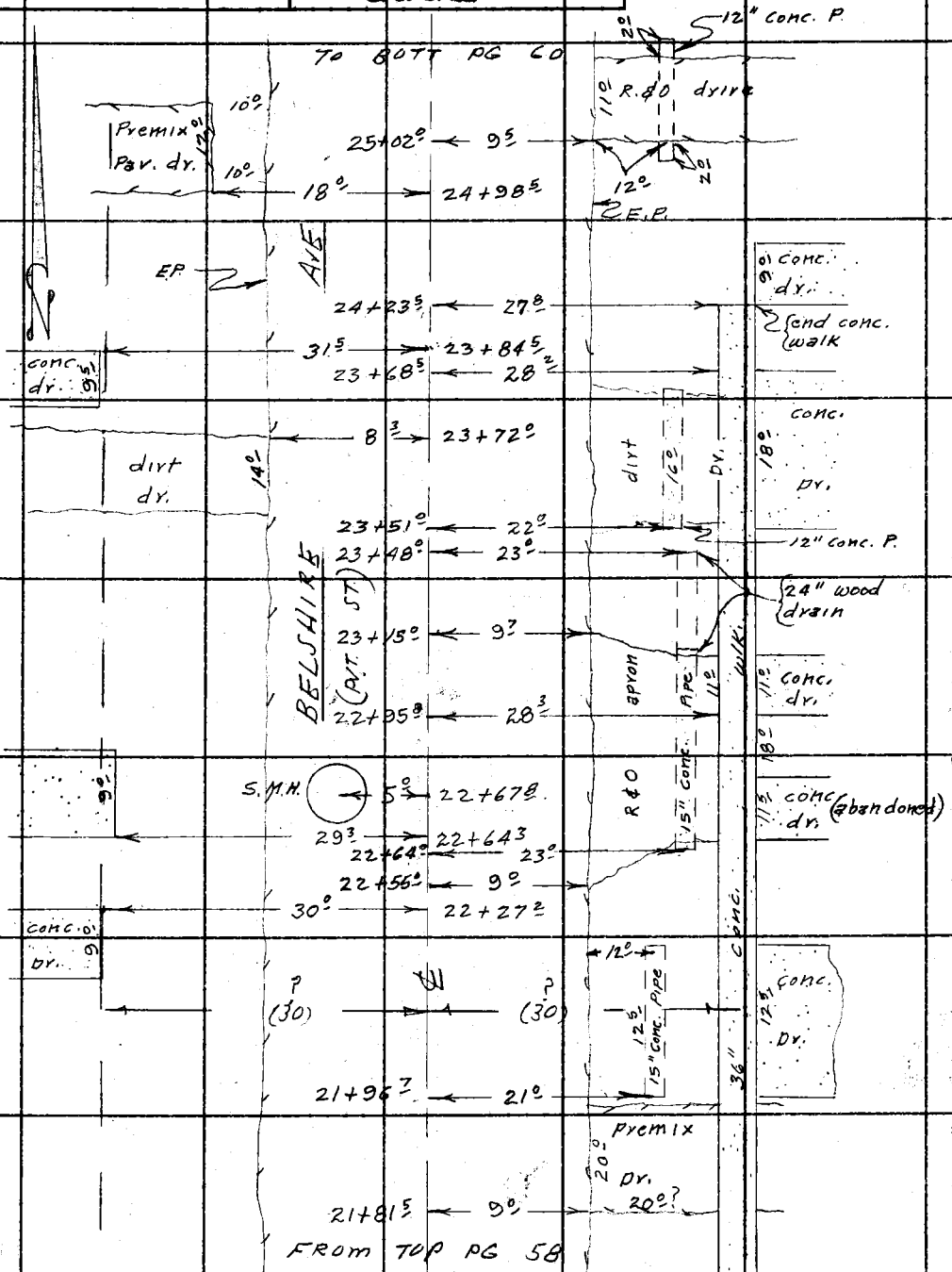
STORM DRAIN PROJ # 691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 PG. 59
Map No.	JN 6269 10 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D. Foulger Date 9-11-63	
Date	Indexed E. J. GALLI	



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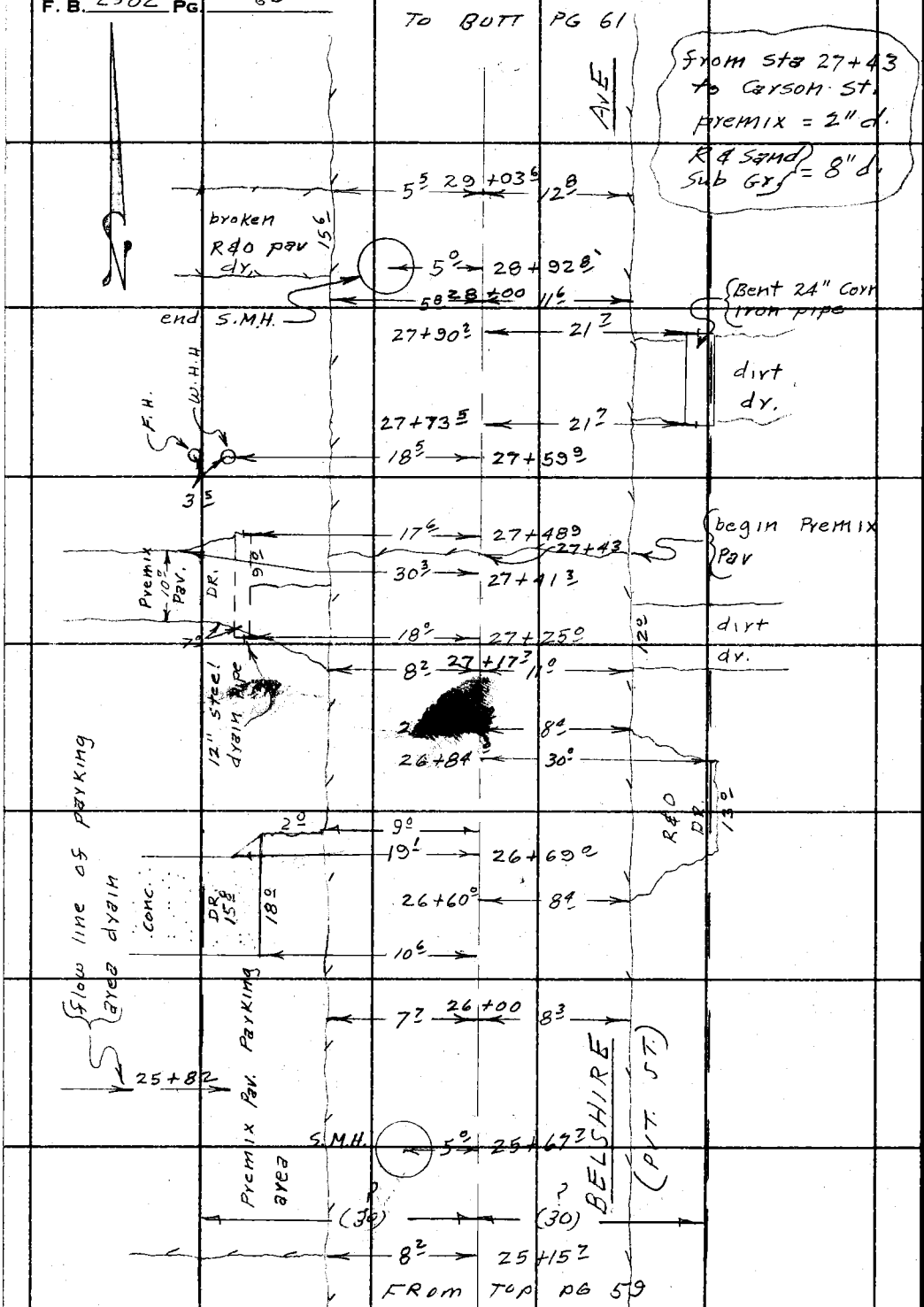
78F3095 CE # 310 3-61

F. B. 2582 PG. 60



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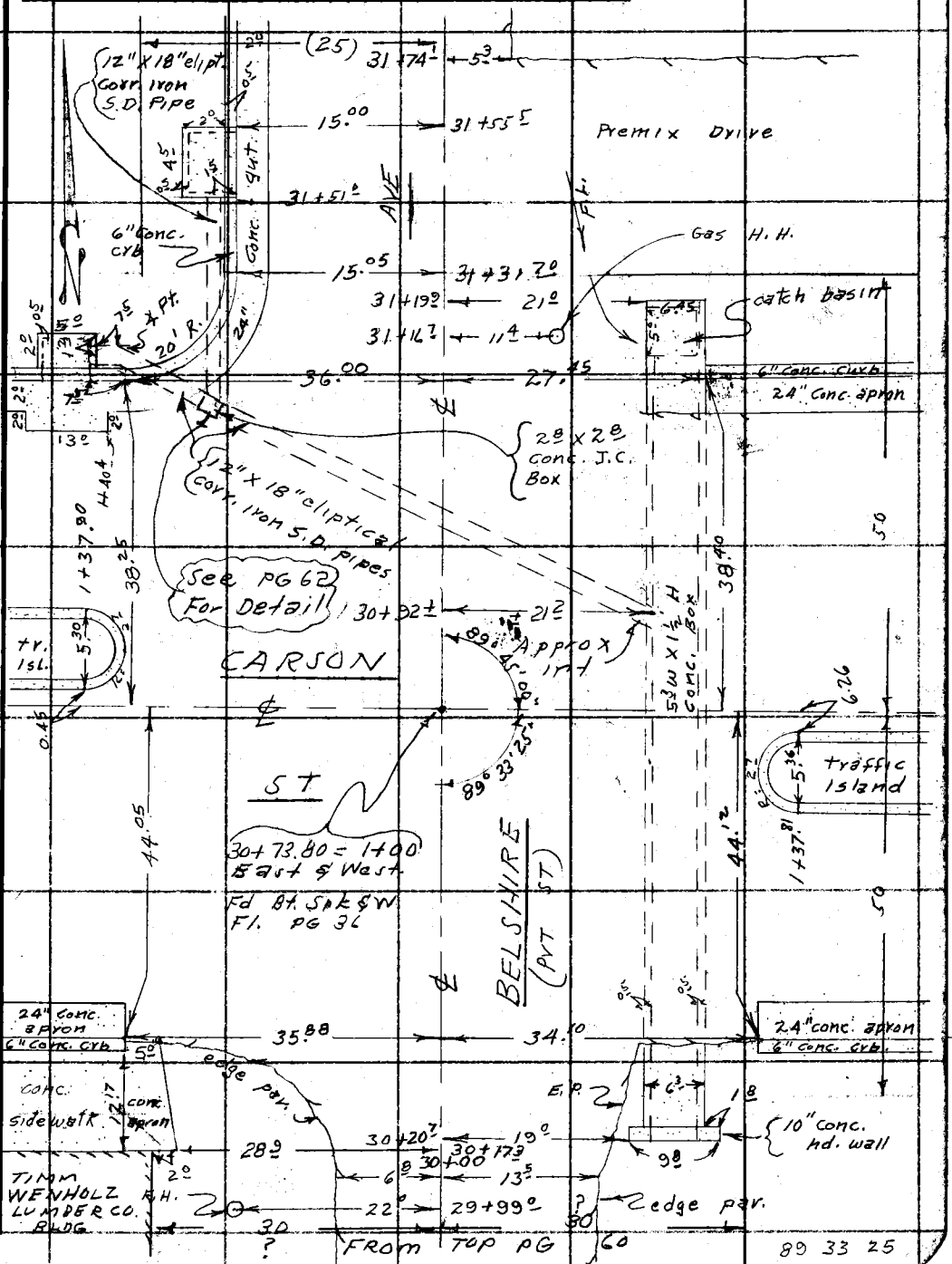
STORM DRAIN PROJ #691

Notes Ck'd by	Survey of Belshire Ave	F. B. 2582 PG. 61
Map No.	JN 6269.10 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D. Faulger Date 9-11-63	
Date	Indexed E. J. GALLI	



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76F309S CE # 310 8-61

F. B. 2582 PG. 62

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Profile No.	Notes Red	Plotted	Job No. 6269.10	Division No. 11	F.B. 2582	Pg. 63
	Date	Date	Survey of Belshire Ave - S.D. Proj #691			
X-Sec. No.	Notes Chkd.	Checked	Survey by D. Sappe	Notes D.S.	Date 9-12-63	
	Date	Date	Map No.	Indexed E. J. GALL	Date OCT 3 '63	

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STATION	B.S.	H.I.	F.S.	ELEV.

JN. 6269.10

BELSHIRE AVE

STORM DRAIN PROJ # 691

HAWAIIAN GARDENS AREA

CROSS - SECTIONS

OF 221 ST ST FROM EXIST STORM DRAIN PROJ #21 E. TO BELSHIRE AVE ~ THENCE N. ON BELSHIRE AVE TO CARSON ST.

Sappe 11
Foulger
Lieber
Yamamoto

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM SD 3147				26 34	BM SD 3147, El. 26.340 (To be adj.)	F.B. 2582-8, E. 221 ST.
TP.				21 86	ST. (N. Side) 12' W.	of ℄ prod Joliet
TP.				23 50	Ave to So., Bt. spk in curb.	
					LT. ℄ N.	℄ 221 ST. RT ℄ S.
1+00	going	E. PG	48	19.24	int. ℄ Exist Drain & ℄ prod 221 ST.	
0+65.7				31 47		93.7 Top Ed. conc. slope
0+66.2				31 47		93.7 brk top "
0+71.1				31 43		℄ prod Top Ed. "
0+71.6				31 43		" brk. "
0+76.9				31 43	104.2 Top ed. conc. slope	
0+77.4				31 43	104.2 brk. " "	
0+90.6				19 19		95.4 Toe conc. slope
0+94.6				19 10		95.7 ℄ bott. drain
0+97.0				19 35		℄ Toe conc. slope
0+98.6				19 19		96.0 " " "
1+00		PG 48		19 24	int. ℄ exist Drain & ℄ prod 221 ST ST.	
1+01.6				19 35	103.5 Toe conc. slope	
1+03.6				19 54	10.8 F/L end corr. iron apron.	
1+04				19 34		℄ Toe conc. slope
1+05.6				19 29	103.4 ℄ bott drain ∡ PT.	
1+09.6				19 38	103.3 Toe conc. slope	

F.B. 2582 PG. 64

Job No. 626910 Division No. 11 Notes Red. Plotted Profile

Survey of Belshire Ave - S.D. Proj 691 Date Date No. X-Sec.

Survey by Sappell Notes D.S. Notes Chkd. Checked

Indexed Date Date No.

76-L298 CE 307 3-61

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave. - Sub. Rec. 6.9.
Notes Chkd. ____ Date ____ Checked ____ Survey by Zappell Notes ____ Date 2-12-63
Map No. ____ Indexed C. J. GALL Date ____ F.B. 2582 Pg. 65

STATION	B.S.	H.I.	F.S.	ELEV.		
					℄ prod 221 ST.	
					LT. & N.	RT & S.
1+10 6				20 24	10 8 Inv. 24" corr. iron drain pipe	
1+22 9				31 40		97 8 brk conc slope
1+23 1				31 40		97 8 Top ed. " "
1+28 4				31 42		℄ brk. " "
1+28 9				31 42		℄ Top ed. " "
1+32 4				31 7		97 8 Top brk.
1+33 9				31 45	102 6 brk top	conc. slope
1+34 4				31 45	102 6 Top ed.	" "
1+36 2				31 4		18 6 Top brk.
1+38 0				29 7		18 6 bott "
1+38 5				31 4		℄ Top brk.
1+41 2				28 2		18 6 bott "
1+41 4				27 2		97 8 " "
1+43 4				31 5	102 6 Top brk.	
1+47 8				27 9		℄ bott brk.
1+52 9				27 5	102 6 bott brk.	
1+63 1				26 10		℄ prod Top cb
				25 54		℄ " gutt.
1+65 1				25 77		℄ " Ed gutt.

76-L298 CE 307 3-61

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F.B. 2502 Pg. 22 | Job No. 626910 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Belshire Ave - S.D. Proj 691 | Date | No. | X-Sec.
Survey by Lopez // Notes D.S. | Notes Chkd. | Checked
Indexed E. J. GALLI | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
14 7945		PG 49		2619		℄ int 221 ST & Joliet Ave to N.
" "	= 1400	going	N.	along the ℄ of Joliet		
						℄ Joliet
					LT. & W.	RT. & E
1+12.1 N		(inlet)		2236	18⁵ inv. 24" Conc	I.P. & bott basin
1+17.2 "		(outlet.		2176	22³ " " "	" " " "
1+45.9				2638		℄
				2631		9 W/A
				2624		16 Ed gutt.
				2608		18 gutt.
				2657		18 Top c.b.
				274		25 P/L
				2618	9	
				2595	16	
				2579	18 same	
				2629	18	
				269	25	
1485.9				2656		℄
				2657		9 W/A
				2646		16 Ed gutt.

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ Joliet to N.
					LT & W.	RT & E.
1+85.9				2628		18 gutt.
				2679		18 Top cb.
				276		25 P/L
				2640	9 w/4	
				2628	16 Ed gutt.	
				2604	18 gutt.	
				2654	18 Top cb.	
				269	25 P/L	
2+85.8				2721		℄
				2716		9 w/4
				2708		16 Ed gutt.
				2689		18 gutt.
				2698		18 Depressed cb.
				275		25 P/L
				2712	9	
				2684	16	
				2668	18 same	
				2718	18	
				276	25	

Profile Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 67
No. ____ Date ____ Date ____ Survey of Belshire Ave - SD Proj 691
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9-12-63
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	LT & W.	℄ Joliet to N. RT & E.
4+00.3				27.48	N. Rim	9.0
				27.48	S. "	
		27.48 -	6.79	20.69	inv. 8" inlet N.	Meas 6.12 Diam 0.67 Rod - 6.79
		27.48 -	6.82	20.66	inv. 8" outlet S.	6.15 0.67 6.82
cont along 221 ST. ST.						℄ 221 ST. ST.
					LT. & N.	RT & S.
1+89.0						5.0 J.C.M.H.
				26.21	N Rim	
				26.21	E "	
				26.19	W. "	
		26.21 -	7.43	18.78	inv. 8" inlet N.	Meas 6.76 Diam 0.67 Rod 7.43
		26.21 -	7.68	18.53	inv. 10" inlet E.	6.85 0.83 7.68
		26.19 -	7.78	18.41	inv. 10" outlet W.	6.95 0.83 7.78
1+92.0				26.22		℄
				26.00		10 w/4
				25.75		18 Ed gutt.

F.B. 2582 Pg. 68
Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave - S.D. Proj 691 Date Date No.
Survey by Sargent Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. J. GAIN Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ 221 ST
					LT. & N.	RT & S.
1+92.0				25 62	gutt	20 E. end C.R.
				26 14	Top cb.	20
				26 5		25
2+09.4				25 86		18 ∡ PT. Ed gutt.
2+22.0				26 17		℄
				26 09		10 W/4
				25 75	gutt.	20 W. end C.R. SW. cor. 221 ST & Joliet to S.
				26 25	Top cb.	20 " " "
				26 6		25 P/L
				25 96	8 Ed gutt	
				25 64	10 gutt. - E end C.R. N.E. cor. 221 ST. & Joliet to N.	
				26 40	10 Top cb. & catch basin	
				22 87	11.9 inv. 24" corr I.P. & bott basin	
				26 62	15 P/L & Top cor basin	
2+46.0				25 98		17.1 ∡ PT. Ed "X" gutt
2+66.99				26 19	PG 50	℄ int. 221 ST & Joliet to S.
" "	=	1+00	going S.		along the ℄ of Joliet to S.	
					LT & E.	℄ Joliet RT & W.
1+10.0	S.			26 18		℄ W/4
1+17.1	"			26 00		℄ ed "X" gutt.
1+20.0	"			25 96		℄ F/L " "

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave - S.D. Pms 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9-12-63
Date ____ Date ____ Map No. ____ Indexed E. J. GALLI Date ____

F.B. 2582 Pg. 69

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		℄ Joliet to S.
					LT ℄ E.	RT ℄ W.
1+23.0	S.			2599		℄ Ed "X" gutt.
1+45.0	"			2618		℄
				2606		9 w/4
				2600		16 Ed gutt
				2588	gutt.	18 S. end CR. S.W. cor.
				2595	Dep. cb.	18 " " " " "
				2660		25 P/2
				2615	9 w/4	
				2605	16 Ed gutt	
				2587	18 "	S end C.R. SE cor
				2595	18 depressed cb.	" " " " "
				2682	25 P/2	
1+54.0	"			2625		4.5 end S.m.H.
					S. Rim	
		26.25 -	6.05	2020	inv. 8" outlet S.	Meas 5.38 Diam 0.67 6.05.
1+64.5				2630		9 w/4
				2610		16 cor. gutt.
				2593		18 gutt. - end cb.
				2645		18 Top " "

F.B. 2582 PG. 70
Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed J. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.	℄ Joliet to S. LT ℄ E.	RT ℄ W.
1+64.5				2635	9 W/4	
				2618	16 c[illegible] gutt.	
				2597	18 gutt.	
				2647	18 Top end cb.	
1+66.5				2646		℄ Ed pv.
1+95				272		℄
				270		12.5 W/4
				268		25 P/L
				270	12.5 W/4	
				266	25 P/L	
2+95				266		℄
				266		12.5 W/4
				269		25 P/L
				270	12.5 W/4	
				271	25 P/L	
4+39.5						4.5 S.M.H
				2669	N Rim	
				2669	S Rim	
		26.69 -	6.97 =	19.72	inv. 8" inlet N.	meas 6.30 Diam 0.67 Rod 6.97
		26.69 -	7.01 =	19.68	inv. 8" outlet S.	6.34 0.07 7.01

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 71
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave - S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9-12-63
Date ____ Date ____ Map No. ____ Indexed C. J. GAULL Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.		
cont.	Along		221	ST.	ST.	℄ 221 ST.
					LT. & N.	RT. & S.
2+94.0				2606		17.1 ∡ pt. Ed gutt.
3+00				2624		℄
				2605	8 Ed gutt.	
				2585	10 gutt.	
				2638	10 Top cb.	
				269	15 P/2	
3+20.4				2628		℄
				2618		10 w/4
				2587		20 gutt.
				2638		20 Top cb.
				266		25 P/2
3+25.0				2608		18 ∡ Ed gutt.
3+60.4				2632		℄
				2619		10 w/4
				2607		18 Ed gutt.
				2591		20 "
				2642		20 Top cb.
				267		25 P/2
3+88.4				2616	8 ∡ pt. ed. gutt.	

F.B. 2582 Pg. 72 Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ 221 ST.
					LT ℄ N.	RT ℄ S.
3+91.5				2638		℄
				2597	10 gutt.	
				2650	10 Top cb.	
				271	15 P/L	
4+18.8				2624	7 ℄ PT. ed "X" gutt.	
4+46.66				2641	PG 51	℄ int 221 ST. ℄ Horst Ave to N.
" "	= 1+00 going N. along ℄ Horst Ave to N.					
					LT ℄ W.	℄ Horst RT ℄ E.
1+07	N.			2625		℄ " ed "X" gutt.
1+10	"			2624		℄ " F/L " "
1+13	"			2628		℄ " Ed " "
1+45	"			2660		℄ "
				2650		9 W/4
				2640		16 Ed. gutt
				2620		18 "
				2672		18 Top cb.
				270		25 P/L
				2649	9 W/4	
				2641	16 Ed gutt	
				2622	18 "	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 6269.10 Division No. 11 Survey of Belshire Ave. S.D. Proj 691 Survey by Sappell Notes D.S. Date 9-12-63 Map No. ____ Indexed E. J. GALLI Date ____

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

F.B. 2582 PG. 73

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ HORST TO N.
					LT & W.	RT & E.
1+45	N.			2672	18 Top cb.	
				271	25 P/L	
1+85	"			2675		℄
				2662		9 w/4
				2649		16 Ed gutt.
				2635		18 "
				2686		18 Top cb.
				270		25 P/L
				2667	9	
				2656	16	
				2637	18 same	
				2690	18	
				273	25	
2+85	"			2703		℄
				2687		9
				2678		16
				2659		18 same
				2711		18
				274		25
				2695	9 w/4	

F.B. 2582 PG. 74 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

76-L298 CE 307 3-61

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Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Berkshire Ave. S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Zappell Notes DS Date 9-12-73
Date ____ Date ____ Map No. ____ Indexed E. J. GALL Date ____

F. B. 2582 Pg. 75

STATION	B.S.	H.I.	F.S.	ELEV.		
					℄ Horst to N.	
					LT ℄ W.	RT ℄ E
2+85				26.83	16 Ed gutt	
				26.63	18 "	
				27.15	18 Top cb	
				27.3	25 P/L	
4+01.3	N.					5° S.M.H.
				27.30	N Rim	
				27.30	S "	
		27.30-	6.83	20.47	Inv. 8" inlet N.	meas 6.16, Diam 0.67, 6.83
		27.30-	6.93	20.37	Inv. 8" outlet S.	6.26, 0.67, 6.93
		cont along		22.1	JT. JT.	℄ 22.1 ST.
					LT ℄ N.	RT ℄ S.
4+51.3	E.					4? J.C.M.H.
				26.46	N Rim	
				26.46	E "	
				26.46	W "	
		26.46-	7.37s	19.09	Inv. 8" inlet N.	meas 6.70, Diam 0.67, 7.37.
		26.46-	7.60s	18.86	Inv. 10" " E.	6.77, 0.83, 7.60.
		26.46-	7.61s	18.85	Inv. 10" outlet W.	6.78, 0.83, 7.61.

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F.B. 2582 PG. 76 — Job No. 626910 — Division No. 11 — Notes Red — Plotted — Profile
Survey of Belshire Ave. — S.D. Proj. 691 — Date — Date — No. — X-Sec.
Survey by Sabec II — Notes D.S. — Notes Chkd. — Checked — No.
Indexed C. J. GALLI — Date — Date — Date

STATION	B. S.	H. I.	F. S.	ELEV.		℄ 221 ST.
					LT ℄ N.	RT ℄ S.
4+58.3				26.16		18 ± PT. ed gutt.
4+61.7				26.45		℄
				26.36		10 W/A
				26.00		20 Ed. gutt.
				26.11		20 depressed cb.
				26.89		25 Ed dr.
4+72.6				26.30	7.0 ± PT ed "X" gutt.	
5+01.2				26.45		℄
				26.12	10 gutt.	
				26.65	10 Top cb.	
				26.9	15 P/L	
5+05.3				26.30	7.8 ± PT ed gutt.	
4+95.0				26.30		17.0 ± PT ed "X" Gutt.
BMSD 3149				26.49	BMSD. 3149, El. 26.478 (To be adj.) FB 2582-8	
				corr. 26.48	E. 221 ST ST. (S. side) 12' W. of ℄ prod of Horst Ave to North - 8± spk in curb.	

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Profile No. Notes Red Date Plotted
X-Sec. No. Notes Chkd Date Checked
Job No. 6269.10 Division No. 11
Survey of Berkshire Ave. S.D. Proj 691
Survey by Sappell Notes P.S. Date 2-12-63
Map No. Indexed E. J. GALLI Date
F. B. 2582 PG. 77

STATION	B.S.	H.I.	F.S.	ELEV.		
5+16.99				2648	PG 52	℄ Int. 221 ST & Horst Ave To So.
" "	=	1+00	going		S. along the ℄ of Horst Ave to S	
					LT & E.	℄ Horst. RT & W.
1+10	S.			2652		℄
1+17	"			2632		℄ Fd "X" gutt.
1+20	"			2626		℄ F/L " "
1+23	"			2633		℄ Fd " "
1+45	"			2650		℄
				2646		9 W/A
				2637		16 Fd gutt
				2618	gutt-	18 S end C.R. SW cor 221 St & Horst
				2668	Top cb	18 S. end C.R. S.W. cor
				269		25 P/L
				2645	9 W/A	
				2638	16 Fd gutt	
				2622	18 gutt - S. end C.R. S.E. cor & Horst 221 ST. To S.	
				2672	18 Top cb -	
				269	25 P/L	
1+55.2	"			-		4? End M.H.
				2657	S. Rim	meas. 5.50
		26.57-	6.17=	2040	Inv. 8" outlet S.	Diam .67 6.17

76-L298 CE 307 3-61

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F.B. 2582 Pg. 78 Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by [redacted] Notes D.S. Notes Chkd. Checked
Indexed Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	LT ℄ E.		℄ Horst to S. RT ℄ W.
1+64±	S.			2661			℄ Ed pv.
				2659			9 W/4
				2641			16 cor gutt
				2620			18 gutt
				2670			18 Top end cb.
				2653	9		
				2642	16	same Rt.	
				2626	18	25	
				2676	18		
1+95±	"			270			℄
				266			12.5 W/4
				264			25 P/L
				270	12.5	W/4	
				267	25	P/L	
2+95	"			271			℄
				267			12.5 W/4
				266			25 P/L
				271	12.5	W/4	
				267	25	P/L	

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Profile Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11
No. ____ Date ____ Date ____ Survey of Belshire Ave - S.D. Proj 691
X-Sec. Notes Chkd ____ Checked ____ Survey by Sappell Notes BS Date 9-12-63
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F.B. 2582 Pg. 79

STATION	B.S.	H.I.	F.S.	ELEV.	LT & E	& HORST TO S. RT & N.
4+38 L	S.					5° S.M.H.
				2702	N Rim	
				2702	S "	
		27.02 -	7.31	1971	Inv. 8" inlet N.	Meas. 6.64 Diam 0.67 7.31.
		27.02 -	7.31	1971	Inv. 8" outlet S.	6.64 0.67 7.31
	CONT.	ALONG		221 ST ST.		
5+39 L	E			2640		17 & PT. Ed guth.
5+71 R				2666		&
				2658		10 W/4
				2623		20 guth.
				2673		20 Top cb.
				268		25 P/L
				2642	8. Ed guth.	
				2623	10 "	
				2673	10 Top cb.	
				270	15 P/L	
5+75 L				2642		18 & PT. ed guth.
6+11 R				2665		&
				2659		10 W/4
				2643		18. Ed guth.

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STATION	B. S.	H. I.	F. S.	ELEV.	LT & N.	℄ 221 ST. RT & S.
6+11.8				26.25		20 gutt.
				26.37		20 depressed cb
				26.8		25 P/L
6+55.7				26.52	8 ∡ PT. ed gutt.	
6+59.2				26.73		℄
				26.32	10 gutt	
				26.84	10 Top cb.	
				27.0	15 P/L	
6+87.9				26.58	7.0 ∡ PT ed "X"	gutt.
7+08.8				26.52		18 ∡ PT Ed gutt.
7+09.0						5.0 J.C.M.H.
				26.79	N Rim	
				26.79	E "	
				26.79	W. "	
		26.79 -	7.15 =	19.64	inv. 8" inlet N.	meas. 6.48 Diam 0.67 Rod 7.15.
		26.79 -	7.50 =	19.29	inv. 10" inlet E	6.67 0.83 7.50.
		26.79	7.48 =	19.31	inv. 10" outlet W.	6.65 0.83 7.48.

F.B. 2582 Pg. 80 Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
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STATION	B.S.	H.I.	F.S.	ELEV.	LT. & N.	℄ 221 ST.	RT & S.
7+13.0				2674		℄	
				2672		10	W/4
				2633		20	gutt
				2683		20	Top cb
				270		25	P/L
7+13.89				2674	PG 53	℄ int. 221 ST & Ibex Arc To N.	
" "	=	1+00	going N.		along the ℄ of Ibex Arc to N.		
					LT & W.	℄ Ibex	RT & E.
1+07	N.			2660		℄ "	Ed "X" gutt
1+10	"			2658		℄ "	F/L " "
1+13	"			2660		℄ "	Ed " "
1+45.2				2690		℄	
				2681		9	W/4
				2671		16	Ed gutt
				2647		18	"
				2701		18	Top cb.
				270		25	P/L
				2678	9		
				2666	16	same as RT.	
				2644	18		
				2695	18		

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Belshire Ave - SD Proj 691
Survey by Sappell Notes DS Date 9-13-63
Map No. ____ Indexed ____ Date ____ E. J. GALLI

F.B. 2582 Pg. 81

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STATION	B.S.	H.I.	F.S.	ELEV.	LT. & W.	℄ Ibex TO N. RT & E.
1+45.2	N.			272	25 P/L	
1+85.2	"			2689		℄
				2683		9 W/4
				2673		16 Ed gutt
				2648		18 "
				2700		18 Top cb.
				272		25 P/L
				2680	9	
				2669	16	
				2648	18 same	
				2700	18	
				271	25	
2+85.2	N			2705		℄
				2694		9
				2681		16
				2662		18 same
				2715		18
				272		25
				2694	9	
				2677	16 same	
				2658	18	

F.B. 2582 PG. 82 Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave - S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked No.
Indexed C. J. GALLI Date Date Date

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Berkshire Ave - S.D. Proj. 691
Notes Chkd ____ Checked ____ Survey by Lappell Notes E.J. GALLI Date 9-13-63
Date ____ Date ____ Map No. ____ Indexed ____ Date ____
F.B. 2582 Pg. 83

STATION	B.S.	H.I.	F.S.	ELEV.	LT ℄ W.	℄ Idex to N. RT ℄ E
2+85.2				27.08	18	
				27.0	25	
3+76.5					5° S.M.H.	
				27.14	N Rim	
				27.14	S. "	
		27.14 - 6.94 =		20.20	Inv. 8" inlet N.	meas. 6.27 Diam 0.67 Rod 6.94
Note: outlet higher						
		27.14 - 6.87 =		20.27	Inv. 8" outlet S.	6.20 0.67 6.87
	Cont. along		221 ST.	ST.		℄ 221 ST.
					LT ℄ W.	RT. ℄ S.
7+39.3				26.67	7° ℄ of ed "x" guth.	
7+42.8				26.63		17° ℄ of ed "x" guth.
BMSD 3150				26.83	BMSD 3150 El. 26.827 to be adj. FB 2582-8 E 221 ST ST.) (S. Side) 42' W. of ℄ Prod of Idex Ave to N. - Bt spk in cb.	
7+67.06				26.85	PG 54	℄ int. 221 ST. ℄ Idex Ave to So.
" "	= 1400 going			S.	along the ℄ of Idex Ave to S.	
					LT ℄ E	℄ Idex RT ℄ W.
H 10	S			26.85		℄ "
12 17	"			26.64		℄ " Fd "x" Guth.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT & E	℄ lbex to S. RT & W.
1+20	S.			2660		℄ lbex F/L 'x' gutt.
1+23	"			2668		℄ " Ed " "
1+46.0	"			2695		℄ "
				2685	9 W/4	
				2673	16 Ed gutt.	
				2654	18 "	S. end C.R. S.E. cor. 221 ST
				2704	18 Top cb.	" " " " " ℄ lbex to S.
				271	25 P/L	
1+46.5	"			2688		9 W/4
				2679		16 Ed gutt.
				2663	gutt.	18 S. end C.R. S.W. cor.
				2716	Top cb.	18 221 ST. ℄ lbex to S. " " " " "
				272		25 P/L
1+66.0	"			2700		℄ Ed pv.
				2696		9 W/4
				2671		16 cor. gutt.
				2656		18 "
				2707		18 top end cb
				2696	9 W/4	
				2680	16 cor gutt.	
				2662	18 "	

F.B. 2582 Pg. 84 Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
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STATION	B.S.	H.I.	F.S.	ELEV.	LT & E.	℄ Ibex to S.	RT & W.
1+66.0	S			2715	18 Top end cb		
1+96.5	"			264	-	℄	
				267		12.5 W/4	
				269		25 P/L	
				263	12.5 W/L		
				264	25 P/L		
2+96.5	"			268		℄	
				270		12.5 W/4	
				268		25 P/L	
				269	12.5 W/4		
				274	25.0 P/L		
1+81.0	+O.K					5.0 End S.mH	
				2668	S Rim	meas. 5.12	
		26.68 -	5.79 =	20.89	inv. 8" outlet S. -	Diam 0.67	
						Rod 5.79	
		cont	along	221 ST. ST.		℄ 221 ST.	
					LT & N.		RT & S.
7+69.0				2684		℄	
				2649	10 gutt.		
				2700	10 Top cb.		
				270	15 P/L		

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 85

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Belshire Ave. S.D. Proj 691

Survey by Sappell Notes D.S. Date 9-13-63

Map No. ____ Date ____ Indexed B. J. GALLI Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	LT. & N.	℄ 221 ST. ST. RT & S.
7+71.9				2675	8 ∡ PT ed gutt.	
7+91.1				2671		17 ∡ pt. ed "X" gutt.
8+22.5				2689		℄
				2693		10 W/4
				2651		20 Gutt.
				2701		20 Top cb
				271		25 P/L
				2677	8 Ed gutt.	
				2654	10 "	
				2706	10 Top cb	
				271	15 P/L	
8+25.5				2672		18 ∡ PT ed gutt.
8+62.5				2698		℄
				2692		10 W/4
				2673		18 Ed. gutt
				2653		20 "
				2705		20 Top cb
				272		25 P/L
				2683	8 Ed. gutt.	
				2663	10 "	
				2719	10 Top cb.	

F. B. 2582 Pg. 86 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of: Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

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Profile Notes Red Plotted Job No. 6269.13 Division No. 11
No. X-Sec. Date Date Survey of Bellflire Ave. Sup Proj 691
No. Notes Chkd. Checked Survey by Capell Notes D.J. Date 2.13-63
No. Date Date Map No. Indexed D. J. GALLI Date

F.B. 25-82 Pg. 87

STATION	B.S.	H.I.	F.S.	ELEV.	LT ℄ N.	℄ 221 ST.	RT ℄ S.
8+62.5				272	15 P/L		
9+33.8				2697		℄	
				2696		10	W/L
				2681		18	cor. gut.
				2665		20	"
				2715		20	Top end cb.
				270		25	P/L
				2685	.8 cor. gut.		
				2668	10 "		
				2720	10 Top end cb.		
				272	15 P/L		
BM SD 3152				2712	BM SD 3152 Fl. 27.129 (To be adj) FB 2582-9		
			cor.	2713	E. 221 ST ST. (S. side) 89'± W. of ℄ of Norwalk Blvd. - B+ spk in cb.		
9+65				2665	12° F/L		
9+69.4				2698		℄	
				2685		10	W/L
				2666		20	Ed pr.
				272		25	P/L
9+71				2697	10° int driveway &	st. pvmt.	
				2700	15 P/L		

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STATION	B. S.	H. I.	F. S.	ELEV.	LT & N	℄ 221 ST. RT & S.
9+80				2669		20 Ed pv. B.C. S.W. Cor.
9+85.5						5.5 J.C.M.H.
				2713	N Rim	
				2713	E "	
				2713	W "	
		Rim -	Rod			Meas. 6.40
		27.13 -	7.07 =	20 06	inv. 8" inlet N.	Diam 0.67
						Rod 7.07.
		27.13 -	7.16 =	19 97	inv. 10" Inlet E.	6.33 / 0.83 / 7.16
		27.13 -	7.33 =	19 80	inv. 10" outlet W.	6.50 / 0.83 / 7.33
9+97				2752		℄ Brk.
10+03				2776		℄
10+09.37				2784	PG 55	℄ int 221 ST from W. & Norwalk Blvd.
" "	=	1+00	Going	N.	along the ℄ of	Norwalk Blvd.
					LT & W.	℄ Norwalk RT & E.
1+15	N.			2779		℄
				2668		6 W/4
				2747		12 Ed main pv.
				2722		16 Ed shoulder.
				270		22 F/L

F.B. 2582 Pg. 88 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT & W.	℄ Norwalk RT & E
1+15	N			276		27 Top brk
				277		40 P/L
1+65	"			2784		℄
				2772		6 w/4
				2758		12 Ed main pv.
				274		13 " shoulder
				270		21.5 F/L
				274		29 brk.
				275		40. P/L
				2772	6 w/4	
				2753	12 Ed main pv	
				2741	22 brk - drive to service sta.	
				2695	35 F/L	
				2716	40. P/L	
2+65	"			2877		℄
				2867		6 w/4
				2846		12 Ed main pv.
				2810		14 " shoulder
				270		24 F/L
				275		36 brk.
				275		40 P/L

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 89
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Arc. S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes Feulger Date 9-26-63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F.B. 2582 Pg. 90 | Job No. 6219.10 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Belshire Ave S.D. - Proj 691 | Date | No. | X-Sec.
Survey by C.J. Gatti Notes Faulger | Notes Chkd. | Checked
Indexed | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	LT & W.	& Norwalk R & E
2+65	N			2870	C w/4	
				2841	12 Ed main pv.	
				2813	13 " R & O shoulder.	
				270	31 P/L	
				269	40 P/L	
T.P.				2998	T.P.	
3+49 ±	N.					42 ± S.M.H
				2773	N Rim	
				2772	S. "	
		27.73 - 7.17 =		2056	Inv. 8" inlet N.	meas 6.50 Diam 0.67 Rod 7.17.
	Note: outlet higher					
		27.72 - 7.10 =		20.62	Inv 8" outlet S.	6.43 0.67 7.10.
4+27 ±	N.				24 ± S.M.H.	
				2788	N. Rim	
				2788	S "	
		27.88 - 6.82 =		2106	Inv. 8" inlet N.	meas 6.15 Diam 0.67 Rod 6.82.
	Note: Outlet higher					
		27.88 - 6.73 =		2115	Inv. 8" outlet S.	6.06 0.67 6.73.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT ℄ E.	℄ Norwalk RT ℄ W.
	sec.	Cont.	So.	along	Norwalk Blvd	from 221 ST. To W.
10+35.02				27 81	PG 55 int. ℄ Norwak ℄ ⊼ Line 221 ST. To E.	
" "	= 1+00	Going	S.	along	the ℄ of	Norwalk Blvd.
1+19.0	S.			27 49		12 Ed main pv.
				27 25		15 EC. R&O pv.
1+25	"			27 79		℄
				27 70		6 W/4
				27 48		12 Ed main pv.
				27 24		15 F/L & Ed R&O shoulder
				27 3		17 Top brk.
				27 2		40 P/L
				27 69	6 W/4	
				27 52	12 Ed main pv.	
				26 92	25. " R&O pv.	
				27 1	35 brk.	
				27 8	38 tp. brk.	
				27 4	45 P/L	
1+45.0	"			27 41	12 Ed main pv.	
				27 20	16 BC Ed shoulder. R&O pv.	
1+55	"					24.5 End SMH.
				27 05	S. Rim	meas. 4.93
		27.05	-5.60=	21.45	inv. 8" outlet S.	Diam 0.67
						5.60

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 91
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave. S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes Foulger Date 9.26.63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F. B. 2582 Pg. 92 Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave SD Proj 691 Date Date No. X-Sec.
Survey by Sapac II Notes Faulger Notes Chkd. Checked
Indexed R. J. GALLI Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	LT ℄ E.	℄ Norwalk	PT ℄ W.
1+75	S.			2774		℄	
				2764		6	W/4
				2739		12	Ed main pv.
				2726		14	" shoulder
				269		22	F/L
				273		40	P/L & Top brk.
				2764	6 W/4		
				2737	12 Ed main pv.		
				2719	14 " shoulder		
				270	25 F/L		
				276	28 Brk		
				274	45 P/L		
2+75	"			2760		℄	
				2753		6	W/4
				2732		12	Ed main pv.
				2709		20	F/L - Parking lot
				2746		40	P/L - " "
				2752	6 W/4		
				2735	12 Ed main pv.		
				2725	14 " shoulder		
				268	29 F/L		
				275	36 Brk		
				272	45 P/L		

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STATION	B.S.	H.I.	F.S.	ELEV.		
SEC.		CONT.	ALONG	221	ST. to E.	
10+35.02	E.			2781	PG 55 int ℄ Norwalk & ⊼ Line 221 ST. TO E	
					⊼ LINE 221 ST.	
					LT. & N.	RT & S.
10+41				2776		⊼ Line
10+47				2755		" " brk.
10+57				2728		⊼ "
10+57				2725		7.5
				2694		26.0 Ed PV.
				2716	20 Ed pv.	
10+75				2744		⊼ Line
				2720	10 Ed pv.	
10+78.5					20.5 LFT. J.C.M.H.	
				2730	S Rim	
				2730	N Rim	
				2730	W. "	
		27.30 -	7.34s	19.96	inv. 8" inlet N.	meas 6.67 Diam 0.67 Rod 7.34.
		27.30 -	7.37s	19.93	inv. 8" " S.	6.70 0.67 7.37.
		27.30 -	7.39s	19.91	inv. 8" outlet W.	6.72 0.67 7.39.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 93
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave. S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9-26-63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F.B. 2582 Pg. 94 | Job No. 626.9.16 | Division No. 11 | Notes Rod | Plotted | Profile
Survey of Gelkine Ave S.D. Proj 691 | Date | No. | X-Sec.
Survey by Lopez // Notes S.S. | Notes Chkd. | Checked
Indexed R. J. GALLI | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	LT. ℄ N.	℄ Line 221 ST.	RT ℄ S.
10+78 ±						0± J.C.M.H.	
				2740	N. Rim		
				2742	E. "		
		27.40 -	7.42 =	19.98	inv. 8" outlet N.	meas. 6.75 diam 0.67 Rod 7.42.	
							6.80 0.67 7.47.
		27.42 -	7.47 =	19.95	inv 8" inlet E.		
10+80				27 44		℄ Line	
				27 42		6±	W/A
				27 [illegible]		13	Fd pr.
				27 [illegible]		20	F/L
				27 4		25	P/L
10+82				2720	8±	Fd pr.	
11+00				2742		℄ Line	
				2740		6±	W/A
				2725		13	Fd pr.
				271		19	F/L
				274		25	P/L
				2721	7	Fd pr.	
				269	16	F/L	
				275	35	Fence line	

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STATION	B.S.	H.I.	F.S.	ELEV.	LT & N.	⊼ Line 221 ST. TO E.	RT & S.
TP.				2741	TP.		
11+90.45				2732	PG 56 Int. & Alley & ⊼ Line 221 ST.		
				276		25	Gnd
				277		75	"
				276		175	"
12+00				2730		⊼ Line	
				2730		6.5	W/4
				2723		13	Ed pv.
				271		18	F/L
				276		25	P/L
				2722	5 Ed pv.		
				277	34 gnd fence line		
12+52.5				2733		⊼ Line	
				2727		7.5	W/4
				2774		13	cor gutt
				2734		13	R&O pv.
				2758		15	gutt
				2822		15	Top cb begin
				278		25	P/L

Profile No. ____ Notes Red ____ Plotted ____ Job No. 626910 Division No. 11 F.B. 2582 Pg. 95
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9-26-63
Date ____ Date ____ Map No. ____ Indexed ____ C. J. GALLI Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	LT & N.	⊼ LINE 221 JT	RT & S.
13+55.5						0.5	J.C.M.H.
				27.37	N Rim		
				27.37	E "		
				27.37	W. "		
		27.37 - 6.78 =		20.59	inv. 8" Inlet N.	meas 6.11 Diam 0.67 Rod 6.78	
		27.37 - 6.82 =		20.55	inv. 8" " E		6.15 0.67 6.82
		27.37 - 6.79		20.58	inv. 8" outlet W.	6.12 0.67 6.79	
Note:		Unable to		locate	M.H. TO NORTH.		
T.P.				28.20	TP.		
14+00				27.27		⊼ Line	
"				27.27		7.5	W/4
"				26.67		13'	edge pav.
"				27.77		13'	edge gut
"				27.68		15'	gut
"				27.72		15'	dep. crb.
"				28.0		25'	P/L
"				27.20	5.6 edge pav.		

F.B. 2582 Pg. 96 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Cappell Notes N.D.S. Notes Chkd. Checked No.
Indexed C. J. GALLY Date Date Date

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Profile Notes Red Plotted Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 97
No. X-Sec. Date Survey of Belshire Ave. S.D. Proj. 621
No. Notes Chkd. Date Checked Survey by Sappel Notes Faulger Date 9.26-63
Date Map No. Indexed C.J. GALL Date

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. & N.	℄ Line 226th St. To E.	Rt. & S.
14+00				280	35' fence line		
15+00				2729		℄ Line	
"				2715		7½ W/4	
"				2680		13° edge pav.	
"				2790		13° " gut.	
"				2778		15° gut.	
"				2845		15° top crb	
"				282		25° P/L.	
"				2740	5° edge pav.		
"				273	35° fence line		
15+92.5				2739		℄ Line	
				2739		7½ W/4	
				2685		13° edge pav.	
				2795		13° " gut.	
				2786		15° gut.	
				2852		15° top crb.	
				285		25° P/L.	
				2750	6° edge pav.		
				278	35° fence line		
15+32.5				2760		℄ Line	
				2760		7½ W/4	

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F.B. 2582 Pg. 98 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave S.D. Proj 691 Date Date No. X-Sec.
Survey by Signal Notes Faulger Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Lt. & N.	℄ Line 221st St. Rt. & S.
15+32.5				26.90		13° edge pav
				28.00		13° edge gut.
				27.91		15° gut
				28.57		15° top crb
				28.4		25° P/L.
				27.52	6° Ed pv.	
				27.6	35° fence line	
15+39°				27.50		6° brk.
				26.90		13° edge pav.
15+42.5				28.05		13° edge (pav & gut.)
16+77.36				27.73	PG 57	Int. ℄ Line 221st St. & ℄ Belshire Ave
				— —		
16+77.36 = 1+00 going S. on Belshire Ave & E. on 221st St.						
				— —	Lt. & E	℄ Belshire, Rt. & W.
1+06°	So.			27.67		℄ brk.
1+35°	"			28.35		℄
				28.30		7.5 W/4
				28.20		12.7 edge gut.
				28.08		14.7 gut.
				28.72		14.7 top crb.
				— —		S. end C.R. S.W. Cor.

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Profile Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11
No. X-Sec. Date Date Survey of Belshire Ave. S.D. exc. 691
No. ____ Date Notes Chkd. Date Checked Date Survey by Zeppel Notes Zeppel Date 9-26-63
Map No. ____ Indexed C. J. Gall Date ____

F.B. 2582 Pg. 99

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. ℄ E	℄ Belshire	Rt. ℄ W.
1+35	So.			2842	7± W/4		
				2844	13± edge gut.		
				2830	15± gut		
				2890	15± top (dep) crb.	S. end C.R. S.E. Cor.	
1+45±	"			2850		℄	
				2832		7± W/4	
				2818		12± edge gut	
				2808		14± gut	
				2872		14± top crb.	
				2848	7± W/4		
				2840	13± edge gut.		
				2824	15± gut.		
				2835	15± top crb.		
1+85	"			2860		℄	
				2844		7± W/11	
				2823		12± edge gut	
				2808		14± gut	
				2872		14± top crb	
				2850	7± W/4		
				2834	13± edge gut		
				2821	15± gut.		

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STATION	B.S.	H.I.	F.S.	ELEV.	Lt. & E.	℄ Belshire	Rt. & W.
1+85	SO.			28 84	15° top crb		
2+85	"			28 56		℄	
"				28 47		7.5 W/4	
"				28 35		12° edge gut	
"				28 20		14.7 gut	
"				28 85		14.7 top crb.	
				28 38	7.5 W/4		
				28 26	13° edge gut		
				28 13	15° gut		
				28 77	15° top crb.		
1+00	going E. along			221st St.	Lt. & N.	⊼ Line 221st St.	Rt. & S.
1+35.8	E.			27 70		8° brk.	
				28 60		13° edge (pav & gut)	
1+40.0	"			27 48		13° " pav.	
1+45.8	"			27 77		⊼ Line	
				27 75		7.5 W/4	
				27 50		13° edge pav.	
				28 60		13° edge gut	
				28 47		15° gut.	
				29 10		15° top crb.	
				27 70	4.5 edge pav.		

F.B. 2582 Pg. 100 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave S.D. proj 691 Date Date No.
Survey by Sappel Notes Foulger Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT. & N.	⊼ Line 221 ST.	RT & S.
1+45.8	E.			28 2	11° brk		
				28 2	26° fence line		
1+85.8	"			27 85		℄	
				27 80			7.5 w/4
				27 50			13° edge pav.
				28 60			13° edge gut.
				28 51			15° gut
				28 58			15° dep. crb
				27 90	6° edge pav		
				28 1	26° fence line		
2+85.8	"			28 02		℄	
				27 92			7.5 w/4
				27 57			13° edge pav.
				28 67			13° " gut
				28 60			15° gut,
				28 69			15° top crb. (dep)
				28 00	edge pav.		
				28 2	26° fence line		
4+17.5	"			— —			0.5 S.M.H.
				28 55	E. rim		
				28 55	W. rim		

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 6269.10 Division No. 11 Survey of Belshire Ave S.D. proj. 691 Survey by Zappel Notes Kuger Date 9-26-63 Map No. Indexed C. J. GALLI Date

F.B. 2582 Pg. 101

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STATION	B.S.	H.I.	F.S.	ELEV.	Lt. & N.	⊼ Line 221st St. Rt. & S.
4+17.5	E.					0.5 S.M.H.
		28.55 – 6.72 =		21.83	•Inv. 8" D. inlet E.	meas. 6.05 Dia. 0.67 Rod 6.72.
		28.55 – 6.77 =		21.78	•Inv. 8" D. outlet W.	6.10 0.67 6.77
Plus O.K. 1+06.8	E.					0.5. J.C.M.H.
				27.79	N. rim	
				27.77	E. rim	
				27.77	W. rim	
		27.79 – 6.52 =		21.27	•Inv. 8" D. inlet N.	meas. 5.85 D. 0.67 Rod 6.52.
		27.77 – 6.65 =		21.12	•Inv. 8" D. inlet E.	5.98 0.67 6.65.
		27.77 – 6.62 =		21.15	Inv. 8" D. outlet W.	5.95 0.67 6.62.

F.B. 2582 Pg. 102 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave S.D. proj 691 Date Date No.
Survey by Sappel Notes Foulger Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.		
B.M. SD. 3153				2853	B.M. SD. 3153 EL. 28.538 (To be adjusted) F.B. 2582 pg. 9	
				corr. 2854	E. 221 ± st St (S. side) 83' ± W. of ℄	
					Belshire Ave, Bt. Spk. in crb.	
16+77.36	Cont'd N.	along		Belshire Ave		
					Lt. ℄ W.	℄ Belshire Ave Rt. ℄ E.
16+81.4				2770		
17+00				276		℄
				274		10' edge gravel
				280		30' P/L.
				275	12' edge gravel	
				276	30' P/L.	
18+00				278		℄
				278		6½ edge gravel
				278		30' P/L.
				278	14' edge gravel	
				280	30' P/L	
18+46.38				278		℄
19+00				278	PG 33 & 58	P.I.
				278		7½ edge gravel
				280		30' P/L.
				278	14' edge gravel	

Profile No. ____ Notes Rod ____ Plotted ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave. S.D. proj. 691
Notes Chkd. ____ Checked ____ Survey by Zappel Notes Zappel Date 9-26-63
Date ____ Date ____ Map No. ____ Indexed E. J. GALLY Date ____

F.B. 2582 Pg. 103

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt. & W.	℄ Belshire Rt. & E.
19+00				280	30'	
19+69					6' S.M.H.	
				2793	N. rim	
				2791	S. rim	
	27.93 – 6.11 =			2182	inv. 8" D. inlet N.	meas. 5.44 D. 0.67 Rod 6.11
	27.91 – 6.12 =			2179	inv. 8" D. outlet S.	5.45 0.67 6.12
20+00				278		℄
				273		10' edge gravel
				274		30' P/L.
				276	15' edge gravel	
				276	30' P/L.	
20+73				2784		℄ begin premix pav
20+83				2769		9° ∡ Pt. edge pav.
				2771	9° ∡ Pt. edge pav.	
21+00				2795		℄
				2763		9° edge pav.

F.B. 2582 Pg. 104
Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave S.D. proj 691 Date Date No.
Survey by Sappel Notes Foulger Notes Chkd. Checked X-Sec.
Indexed E. J. GALLI Date Date Date No.

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Profile No. Notes Red Plotted Job No. 6269.10 Division No. 11
X-Sec. No. Date Date Survey of Belshire Ave S.D. proj 621
Notes Chkd. Date Checked Survey by Zappel Notes Zappel Date 9-26-63
Date Date Map No. Indexed E. J. GALL Date
F.B. 2582 Pg. 105

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. ℄ W.	℄ Belshire	Rt. ℄ E.
21+00				27 3		17' F.L.	
				27 8		30' P/L.	
				27 73	8⁵ edge pav.		
				27 2	F.L.		
				27 9	30' P/L.		
21+32				27 47		20' F.L. 12" Corr. Iron P.	
21+36				27 31	22⁹ INV. F.L. 10" conc. dr. pipe		
21+46				27 53		20' F.L. 12" " " "	
21+49				27 20	22⁹ " " " " (To be adjusted)		
B.M.SD.3154				28 13	B.M.SD 3154 EL. 28.136 F.B. 2582 pg. 9 Belshire Ave (E. side) 529'± N. of 221st St. Bt. spk. in ctr. of conc. Dr. to hse #21904 1'E of 4" ch. link ℄		
21+47				28 13		29' cor. conc. w/k.	
21+57				27 64	22⁹ INV. 10" conc. dr. P.		
21+69				27 64	22⁹ INV " " " "		
21+81⁵				28 10		9° edge pav & dr.	
				27 65		22° " dr. (brk)	
				28 63		29° " conc. w/k.	
21+96				27 00		21° INV. 15' conc. pipe	
22+00				28 17		℄	

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STATION	B.S.	H.I.	F.S.	ELEV.	Lt. & W.	℄ Belshire Rt. & E.
22+00				2803		8.5 edge pav.
				2790	8.5 edge pav.	
				274	21° F.L.	
				281	30°	
22+09.2				2700		21° inv. 15" conc. pipe
22+64				2733		23° inv. " " "
22+67.8				— —	5' S.M.H.	
				2821	N. [illegible]	
				2822	S. [illegible]	
		28.21 -	5.85 =	2236	• inv. 8" inlet N	meas 5.18 D 0.67 Rod 5.85.
		28.22 -	5.85 =	2237	• inv 8" outlet S.	5.18 0.67 5.85.
23+00				2828		℄
				2826		9° edge Rd. pav
				2841		21° brk.
				2818		28.5 edge wlk.
				2811	9° edge pav.	
				275	21° F.L.	

F.B. 2582 Pg. 106 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. PROJ. 691 Date Date No. X-Sec.
Survey by Sappell Notes Foulger Notes Chkd. Checked
Indexed [illegible] Date Date Date No.

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave. S.D. Proj. 691
Notes Chkd. ____ Checked ____ Survey by Soppe II Notes Foulke Date 9-26-63
Date ____ Date ____ Map No. ____ Indexed R. J. GALL Date ____ F.B. 2502 Pg. 107

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. ℄ W.	℄ Belshire Rt. ℄ E.
23+00				280	30'	
23+48				2762		23° F.L. 24" wood drain
23+51°				2700		22° INV. 12" Conc. P.
23+67°				2735		22° " " " "
24+00				2841		℄
"				2815		10° edge Rd. pav.
"				276		20° F.L.
"				2825		28° edge wlk.
"				2814	8⁵ edge Pav.	
"				284	30°	
24+23⁵				2827		27⁸ cor. Conc. wlk.
25+00				2854		℄
				2845		9⁵ edge pav.
				2735		21⁵ INV. 12" Conc. Pipe
				287		26° brk.
				287		30°
				2830	9⁸ edge pav.	
				286	30°	
25+15				2741		21⁵ INV. 12" Conc. pipe
				289		26°
25+15⁷				2841	8² edge pav.	

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STATION	B. S.	H. I.	F. S.	ELEV.	Lt. & W.	℄ Belshire	Rt. & E
25+15?				2927	30° pav.		
25+67?				— —	5' S.M.H.		
				2842	N. rim		
				2840	S. rim		
	28.42 − 5.45 =			2297	inv. 8"D inlet N.	meas 4.78 Dia. 0.67 rod 5.45.	
	28.40 − 5.40 =			2300	inv. 8"D outlet S.	4.73 0.67 5.40.	
T.P.				2851	T.P.		
25+78°				2886	30 brk.		
25+82°				2847	30 F/L parking area		
25+87°				2840	9 Ed main pv.		
"				2920	30 brk.		
26+00				2855		℄	
				2840		8³ Ed pv.	
				280		22 F/L	
				290		30	
				2830	9° Ed main pav.		
				2975	30 (End parking area at Bldg face)		

F.B. 2582 Pg. 108 Job No. C26910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave SD Proj 691 Date Date No. X-Sec.
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STATION	B.S.	H.I.	F.S.	ELEV.		℄ Belshire Ave
					LT ℄ W.	RT ℄ E.
26+53.2				28 60	10.6 cor. conc. Dr.	
				29 25	19.1 brk. Ed conc. Dr.	
				29 60	30	
26+69.0				29 28	19.1 ∡ PT. Ed conc. DR. & Gnd.	
26+71.2				28 55	11 cor conc. PV.	
				28 25	20 F/L	
				29 4	25 Top brk.	
				29 5	30	
27 +00				28 72		℄
				28 55		8.4 Ed main pv.
				28 3		22 F/L
				28 7		30
				28 55	8.2 Ed pv.	
				28 1	19 F/L	
				30 0	25 Top brk.	
				29 7	30	
27+25				27 70	18 inv. 12" steel pipe under R&O Drive	
27+48.9				27 64	17.6 " " " " " " "	
27+73.5				26 75		21.7 Top 24" Corr. I.P. pipe plugged with dirt
27 +90.2				26 82		21.7 " " " " "

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 626910 Division No. 11 Survey of Belshire Ave S.D. - Proj 691 Survey by Sappe 11 Notes D.S. Date 9-27-63 Map No. Indexed J. GAIH Date

F.B. 2582 Pg. 109

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ Belshire Ave.
					LT ℄ W.	RT ℄ E
28+00				2865		℄
				2872		11.6 Ed pv.
				282		22
				290		30
				2855	5.8 Ed pv.	
				285	30.0	
28+92.8				2901	5.0 End S.m.H.	
		Rim 29.01 -	Rod 5.37 =	23.64	S Rim inv. 8" outlet S.	Meas. 4.70 Diam 0.67 Rod 5.37.
				29.06		℄
29+00				28.90		12.8 Ed pv.
				285		22 F/L
				292		30
				2907	5.5 Ed pv.	
				294	30	
T.P.				2900	TP.	
30+00				2969		℄
				2946		13.5 ∡ pt. Ed pv.
				288		22 F/L
				295		30

F.B. 2582 Pg. 110
Job No. 626910 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No.
Survey by Sappell Notes DS. Notes Chkd. Checked X-Sec.
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STATION	B.S.	H.I.	F.S.	ELEV.		℄ Belshire
					LT & W.	RT & E.
30+00				29 64	6.8 Bc. Bd pv.	
				30 0	30	
30+17.3				30 01	28.9 cor conc. apron	
				30 40	30.9 N.E. cor bldg & apron.	
				30 90	35.9 back walk at bldg face.	
30+20.7				29 9		19.0 gnd
				30 91		19.0 Top end Head wall
				28 00		21.2 Fl. 5.3 x 1.5 Box culvert
				28 00		26.5 " " " "
				30 0		28.8 gnd.
				30 83		28.8 Top end head wall
30+30				29 99		℄ crb. line Carson.
30+40				30 45		℄ brk.
30+52				30 60		℄ w/4 carson.
30+73.80				30 87	PG 61	℄ int Carson & Belshire
" "	=	1+00	going E. & W. along ℄ of Carson St.			
					LT & S.	℄ Carson RT & N.
1+35.2	West			30 98		3.1 gutt - End Island
				31 53		3.1 Top cb. "
1+30.8	+OK			29 95	44 cor conc. apron	

Profile Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 111
No. ____ Date ____ Date ____ Survey of Belshire Ave. S.D. Proj 691
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9-27-63
No. ____ Date ____ Date ____ Map No. ____ Indexed J. GALLI Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	LT & S.	℄ Carson RT & N.
1+35.8	west			30.65		19.1 w/4
				30.63		31.0 brk
				30.35	gutt.	38.2 Belshire Ave. & Carson St.
				30.83	Top cb.	38.2 W. end CR NW. cor.
				30.64	22 w/4	
				30.50	34 brk	
				30.15	42 cor gutt.	
				29.97	44 gutt	
				30.63	44 Top end cb	& walk.
1+37.9	"			31.00		0.4 gutt
				31.55		0.4 Top cb - Island
				31.45		5.7 " " "
				30.90		5.7 gutt.
1+40.4	"			30.38		34.2 cor. apron.
				30.30		36.2 ed gutt & apron.
1+43.3	"			28.82		39.5 F/L 12"x18" Eliptical drain pipe
1+53	"			30.35		34.2 cor apron.
				30.20		36.2 Ed gutt & apron.
1+85.8	"			31.00		0.4 gutt.
				31.51		0.4 Top cb. Island
				31.38		5.7 " " "
				30.90		5.7 gutt.

F.B. 2582 Pg. 112 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT. ℄ S	℄ Carson Rt ℄ N.
1+85.8	West			30 72		19 w/4
				30 60		31 brk
				30 28		36.2 Ed gutt
				30 08		38.2 "
				30 74		38.2 Top cb.
				30 80	22 w/4	
				30 62	34 brk	
				30 30	42 Ed gutt	
				30 09	44 "	
				30 71	44 Top cb.	
2+53.3	"			31 09		0.4 gutt
				31 57		0.4 Top cb. Island
				31 37		5.7 " " "
				30 90		5.7 gutt.
2+85.8	"			31 67		℄ Top Island
				31 45		5.7 Top cb.
				30 95		5.7 gutt.
				30 77		19 w/4
				30 70		31 brk
				30 38		36.2 Ed gutt
				30 17		38.2 "
				30 83		38.2 Top cb.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6269.10 Division No. 11 F.B. 2582 Pg. 113
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 9.27-63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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STATION	B.S.	H.I.	F.S.	ELEV.	LT & S.	℄ Carson	RT & N.
2+85.8	West			31 43	12.2 Top cb.		
				30 87	12.2 gutt.		
				30 81	22 w/4		
				30 66	34 brk.		
				30 33	42 Ed gutt		
				30 12	44 "		
				30 79	44 Top cb.		
1+00	going	E.		along	℄ Carson from	Belshire Ave	
					LT & N.	℄ Carson	Rt & S
1+27.6	E.			30 84		℄	
				30 64	19.1 w/4		
				30 47	31 brk.		
				30 16	36.4 cor gutt.		
				30 05	38.4 gutt		
				30 71	38.4 Top end cb.		
1+34.3	"			30 82		℄	
				30 63		22 w/4	
				30 50		34 brk.	
				30 14		42 cor gutt.	
				29 91		44 "	
				30 50		44 Top cb.	
1+35.1	"			30 76		9.0 gutt end island	

F.B. 2582 Pg. 114 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd Checked
Indexed [illegible] GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT ℄ N.	℄ Carson RT ℄ S.
1+35 L	E.			30 28		9 0 Top cb (Island)
1+37 B	"			30 77		6 3 gutt.
				31 33		6 3 Top cb -Island
				31 27		11 7 " " "
				30 67		11 7 gutt.
1+84 3	"			30 75		℄
				30 74		6 3 gutt.
				31 29		6 3 Top cb. island
				31 21		11 7 " " "
				30 72		11 7 gutt. "
				30 58		22 w/4
				30 42		34 brk.
				30 12		42 Ed gutt
				29 93		44 "
				30 60		44 Top cb.
				30 52	19 3 w/4	
				30 40	31 Brk.	
			✱	30 88	36 4 Ed gutt.	
				29 88	38 4 "	
				30 00	38 4 Depressed cb.	

Profile No. ___ Date ___ Notes Red ___ Plotted ___ Date ___ Job No. 626910 Division No. 11 F.B. 2582 Pg. 115
X-Sec. No. ___ Date ___ Notes Chkd. ___ Checked ___ Date ___ Survey of Belshire Ave S.D. Proj 691
Survey by Sappell Notes D.J. Date 9-27-63
Map No. ___ Date ___ Indexed C. J. GALLI Date ___

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STATION	B.S.	H.I.	F.S.	ELEV.	LT. & N.	℄ carson RT & S.
2+39.9	E.			3075		6.3 gutt. island
				3123		6.3 Top cb. "
				3118		11.7 " " "
				3068		11.7 gutt. "
2+84.3	"			3139		℄ (island)
				3120		11.7 Top cb. - Island
				3063		11.7 gutt. "
				3050		22 w/4
				3034		34 Brk.
				3003		42 Ed gutt
				2978		44 "
				3044		44 Top cb.
				3106	5.6 Top cb. - Island	
				3060	5.6 gutt. "	
				3056	19.2 w/4	
				3032	31 brk.	
				3000	36.4 Ed gutt	
				2980	38.4 "	
				3047	38.4 Top cb.	

F.B. 2582 Pg. 116 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 697 Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed P. I. GALLI Date Date Date No.

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STATION	B.S.	H.I.	F.S.	ELEV.	LT. H.W.	℄ Belshire Rt ℄ E.
31+93.2				3010		℄
				2997	7.5 w/4	
				2976	13 Ed gutt	
				2958	15 gutt	
				3022	15 Top cb	
				300		3.0 Ed pv.
32+93.2				3017		℄
				3014		2.5 " "
				3002	7.5 w/4	
				2983	13 Ed gutt	
				2973	15 "	
				3034	15 Top cb.	
BMSD 3155				3070	BMSD 3155 El. 30.70 to be adj. F.B. 2582-10 Carson St. (S. side) 62' W. of ℄ Belshire Ave - Bt spk in curb.	

F.B. 2582 Pg. 118 Job No. 6269.10 Division No. 11 Notes Red Plotted Profile
Survey of Belshire Ave. S.D. Proj 691 Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
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STATION	B.S.	H.I.	F.S.	ELEV.	LT & W.	℄ Belshire	RT & E
		sec.	cont	along	Belshire Ave N	from CARSON	
31+05.7				28 90	16.5	int F/L 12"x18" Elip. corr. drain pipe	
					in conc. J.C. Box	see pG 62	
31+12.2				30 25		℄ cb line Carson	
31+17.1				28 96		18 Ed pv.	
				28 70		21.0 F/L 5.3x1.5 conc culvert	
				30 05		21.0 Top "	
31 +31.7				30 05		℄	
				30 18	7.5	W/4	
				30 25	13.0	Ed gutt.	
				30 09	15.0	gutt - N. end C.R. N.W. cor.	
				30 78	15.0	Top cb. - " " " "	
				29 65		12.0 F/L	
				29 75		20 pvmt.	
				29 92		℄	
31+51.5				29 02	16.5	inv. 12"x18" elip corr. I.P. & bott catch. basin	
				29 96	7.5	W/4	
				29 80	13	Ed gutt.	
				29 57	15	"	
				30 42	15	Top cb & catch basin	
31+74.0				29 87		5.3 Ed pv. st & Drive	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6219.10 Division No. 11 F.B. 2582 Pg. 117
X-Sec. No. ____ Date ____ Date ____ Survey of Belshire Ave. S.D. Proj 691
Notes Chkd. ____ Checked ____ Survey by Sappe 11 Notes DJ Date 9-27-63
Date ____ Date ____ Map No. ____ Indexed C. J. Call Date ____